

Materials

Components & Systems



Quality for life

ottobock.

617H119=0.900
Orthocryl®
Laminierharz 80:20 PRO

EN	Lamination Resin 80:20 PRO
FR	Résine à laminier 80:20 PRO
IT	Resina da laminazione 80:20 PRO
ES	Resina laminar 80:20 PRO
HU	Laminálógyanta 80:20 PRO

Orthocryl® ist ein Warenzeichen von Otto Bock HealthCare, Duderstadt

Materials

Components & Systems

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"Our objective is to offer maximum mobility, independence and normality to people with physical disabilities. User functionality is therefore the most important criterion for measuring our products."

Prof. H. G. Näder,
Chairman and CEO

The name Ottobock has stood for technology, innovation, quality and customer orientation for more than 90 years. Driven by a pioneering spirit, courage and decisiveness, the prosthetist Otto Bock founded Otto Bock Orthopädische Industrie GmbH in Berlin in 1919. He had the courage to break new ground and set higher standards which would revolutionise an entire industry. Under the leadership of Dr. Max Näder, Ottobock became a company of international standing. Thanks to his creativity and inventive talent, Max Näder continued to set standards in orthopaedic technology with the development of products, such as the modular leg prosthesis system or myoelectric arm prosthesis. The company began to establish an international sales structure in 1958, when the first foreign subsidiary was founded. After years of consistent and dynamic expansion, Ottobock is now a true global player and a strong corporate brand. Today our name stands for high-quality, functional and technologically outstanding products and services in orthopaedic and rehabilitation technology around the world. Whatever we do, people are always our number one priority: we are committed to helping them achieve maximum mobility, independence and normality.

Otto Bock HealthCare is a modern, customer and success-oriented company with a long-standing tradition – a global player with local roots. With 45 sales and service companies and export activities in over 140 countries around the world, we are constantly in close contact with our customers. Thanks to this intimate relationship with the market, we understand user needs and customer requirements and integrate them into the products we develop. While we are confident that we have created a future-proof organisation with our global network of development, manufacturing and production sites, we remain committed to Germany and the local roots of our company. Duderstadt, located in Germany's Eichsfeld region, is not only where our largest development and production sites are situated, it is also home to the Ottobock HealthCare headquarters.

We will continue to use our experience and expertise responsibly in order to improve the quality of life of disabled people by providing functional and technologically outstanding solutions in the future: "Quality for life – made by Ottobock".

Next to expert craftsmanship, high-quality materials play a key role in the production of modern fittings for people with physical limitations. Ottobock has been accompanying you in your patient care responsibilities with great dedication for more than 90 years. In the materials product segment, we consider ourselves a problem-solver and advisor in matters related to the practical application of various high-tech materials for the fabrication of medical technology products. We are always developing our materials further, mainly to take the needs of users and patients into account, but increasingly also for compliance with continuously changing legal standards. In addition to the mechanical and chemical characteristics, the biological compatibility of materials is especially important. The quality and safety of our materials is our top priority. You can rely on that.

In order to offer you solutions to a wide variety of orthopaedics technology problems, we carry a range of innovative and proven materials that have been selected with great care based on practical fitting experience. The interplay of materials science and processing techniques reveals new insights step by step and therefore guarantees the consistent development and enhancement of orthopaedics technology materials. In addition to our product range that has been proven for many years, we develop innovative materials and practical solutions in cooperation with engineers and prosthetists. We effectively encourage such cooperation with the exchange of experiences and mutual support. New possibilities are identified and practical processing techniques emerge. As a result, quality products by Ottobock feature excellent processing characteristics.

The new materials catalogue represents a practical symbiosis of tradition and innovation, of proven and innovative materials. The catalogue proves itself as an indispensable resource for a wide range of proven and innovative materials. In this context, prepreg technology stands out as one of the highlights in our selection of materials. The catalogue therefore assumes a special role within the industry – it is a comprehensive source of information and advice that really has no equal. Particular emphasis was placed on practical relevance here. The practical recommendations in a variety of fields – from plaster and forming technology to the fabrication of prostheses and check sockets – reinforce the numerous possibilities for the use of suitable materials.

Optimising the catalogue design to make it user-friendly represents another focal point. For easier access to content, we have organised the catalogue into 12 sections according to technical criteria. If you need to find a specific product, you can use the list of keywords which lists all article names in alphabetical order, or the index which lists products by article number. To make ordering Ottobock products as easy as possible, our catalogue also contains useful instructions on the ordering process as well as ordering examples and order forms.

In addition to our catalogue, you may choose to acquire a practical reference which offers knowledge and an introduction to applications as well as numerous application examples for our proven and innovative materials; it is available under reference number 646A309. You will also find general overviews in regard to areas of application and temperature recommendations for our plastics and padding materials, plus notes on the properties and material combinations of adhesives, putties, varnishes and thinners.



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Customer Concerns

The first and most important step in the safe use of chemicals is to be aware of their identity, the associated risks to health and the environment and the means to control these risks. This inherently complex knowledge must be organised so that essential information on hazards and the corresponding protective measures can be identified and communicated to the user in a readily comprehensible manner.

The Ottobock Solution

As a global player, we obligate ourselves to safeguard and protect the health of people and the environment in which we work. With us, you will make safety, environmental protection and health integral parts of the production, sale and use of our products. Ottobock hazardous substances are accompanied by safety data sheets (MSDS). These safety data sheets contain information such as physical data, health risks, first aid measures, storage, disposal, protective equipment, etc. Ottobock can provide you with safety data sheets in your language and country-specific version for all hazardous materials.

Advantages for You

We offer you absolute reliability, safety and guaranteed availability. Electronically delivered safety data sheets now comply with the right-to-know provisions for immediate access to risk information around the clock. Make use of the most up-to-date database of safety data sheets on our website, which we update regularly for you. You receive all information from a single source. We are also able to provide you with the safety data sheets on CD-ROM (reference number 646C16). The advantage of the CD-ROM is that you can prepare chemical or product-specific general instructions for use and utilise them in your orthopaedics workshop.

Based on the "no data, no market" principle, only chemical substances that were previously registered may be brought into circulation within Europe. Substances for which sufficient knowledge is not available may not be produced or marketed. The "REACH law" was enacted in the form of a European directive. This means the law is immediately binding in all EU member states without the need for national recognition.

What is REACH?

REACH stands for the Registration, Evaluation, Authorisation and Restriction of Chemicals. It is an EU chemicals directive that came into force on 1st June 2007. These components were used to implement a comprehensive restructuring of European chemicals policies.

Objective of the REACH Chemicals Directive

The objective of this directive is to ensure a high level of protection for human health and the environment, which includes promoting alternative assessment methods for hazards emanating from substances, as well as assuring the free trade of substances in the domestic market while simultaneously enhancing competitiveness and innovation.

Advantages for You

The REACH directive establishes a new foundation for the rules related to safety data sheets. Ottobock safety data sheets meet the requirements of the European REACH directive on chemicals. We offer you absolute reliability, safety and guaranteed availability. Make use of the most up-to-date database of safety data sheets on our website, which we update regularly for you. You receive all information from a single source.

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CE Marking

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Medical devices are not permitted to endanger the health of users or third parties at any time. In addition, the risks generally associated with their use always have to be justifiable compared to the benefits. This is why medical devices are subject to the provisions of the MPG (Medical Products Law), and certain safety criteria must be met to bring them into circulation. This is confirmed by the visible CE marking.

3

Ottobock declares with sole responsibility that all medical devices that are manufactured by Ottobock and bear the CE marking conform with the basic requirements of Council Directive 93/42/EEC of 14th June 1993 on medical devices.

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Material Compatibility

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The EN ISO 10993 standard applies for the assessment of the biological compatibility of medical devices. The standard classifies medical devices according to the type and duration of intended body contact and identifies biological risks which must be evaluated according to the respective category of the product in question. The purpose of the biological assessment is to determine whether physiological hazards are expected from the medical device or its materials as a result of contact with the patient. Accordingly, the tests pursuant to EN ISO 10993 Part 5 (Cytotoxicity) and EN ISO 10993 Part 10 (Irritation and Sensitisation) are relevant for Ottobock materials with skin contact.

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Test for Cytotoxicity (EN ISO 10993 Part 5)

The cytotoxicity test is recognised and required as a biological base test for all medical devices and their materials. With the use of cell cultures, a cytotoxicity effect can be proven to emanate from the material during intended use. Solids are extracted using a culture medium or other suitable solvents and then used in the investigation.

The cytotoxicity test offers indications of the biological compatibility of materials used to manufacture medical devices.

Relevant Ottobock materials have successfully passed this test; therefore, no cytotoxicity effect is expected. The biological compatibility of the relevant Ottobock materials is confirmed in accordance with Norm EN ISO 10993 Part 5 or by equivalent data.

**Test for irritation and sensitisation (EN ISO 10993 Part 10)**

The most common test method is the patch test. The patch test is a provocation test used to determine if there is a contact allergy. In this test, the test specimens or extracts are applied exclusively to the skin.

As a rule, the test substances are applied to a test patch that has been especially prepared and is applied "on the skin" (=epicutaneous) in the upper back region of the patient. The patch is then left on for 48 hours before it is removed. 15 to 30 minutes after the patch is removed, the doctor examines the area of skin for possible changes (reddening, swelling); this examination is repeated after two to three days and possibly again later.

The patch test is indicative of the biological compatibility of materials for the production of medical devices.

Relevant Ottobock materials have successfully passed this test, so that skin irritation or allergic sensitisation are not expected. The biological compatibility of the relevant Ottobock materials is confirmed in accordance with Norm EN ISO 10993 Part 10 or by equivalent data.



Searching, finding and ordering

Explanation of Symbols	Explanations of hazardous substance symbols (R/S phrases)*
Information sheet, poster	Xi Irritant
Information material	Xn Hazardous to health
Instructions for processing or use	O Oxidising
Products with these symbols are registered trademarks in certain countries.	F Highly flammable
Miniaturisation	F+ Extremely flammable
Enlargement	N Environmentally hazardous
Mixing ratio	C Corrosive
Two components: A-component, B-component	T Toxic
Self-adhesive	
Adhesive on both sides	
Washable at 40°C, gentle cycle	
Washable at 60°C	
646A309 Knowledge and Application	

Explanations of hazardous substance symbols (P/H phrases)*	
Hazard classes	Hazard categories
Inflammable gases	1
Inflammable aerosols	1, 2
Inflammable liquids	1, 2, 3
Inflammable solids	1, 2
Self-decomposing substances and mixtures	Types B, C, D, E, F
Pyrophoric liquids	1
Pyrophoric solids	1
Substances and mixtures capable of self-heating	1, 2
Substances and mixtures that release inflammable gases upon contact with water	1, 2, 3
Organic peroxides	Types B, C, D, E, F
Oxidising gases	1
Oxidising liquids	1, 2, 3
Oxidising solids	1, 2, 3
Corrosive effect on metal	1
Caustic	1A, 1B, 1C
Severe eye damage	1
Acute toxicity (oral, dermal, inhalative)	1, 2, 3
Acute toxicity (oral, dermal, inhalative)	4
Skin irritation	2
Eye irritation	2
Skin sensitisation	1
Specific target organ toxicity (one-time exposure)	3
Respiratory system irritation	
Anaesthetic effects	
Respiratory tract sensitisation	1
Germ cell mutagenicity	1A, 1B, 2
Carcinogenicity	1A, 1B, 2
Reproductive toxicity	1A, 1B, 2
Specific target organ toxicity (one-time exposure)	1, 2
Specific target organ toxicity (repeated exposure)	1, 2
Aspiration hazard	1
Hazardous to water	
– Acutely hazardous to water	1
– Chronically hazardous to water	1.2

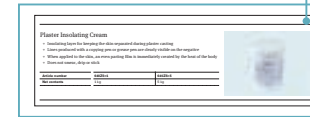
* The hazardous substance symbols (R/S phrases and P/H phrases) printed in the catalogue correspond to the labelling requirements for hazardous substances at the time of printing. They refer to the raw material. Changes reserved.

○ Please note that the base colours shown in this catalogue may differ in actual effect.

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This catalogue is organised into **12 sections**.

The **tab on the right side and the page headers (e.g. Plaster and Forming Technique)** on the top of each page help you find your way around quickly and easily.



List of Key Words			
1	Light Metal Primer	241	Ordering Reference No. 402
2	Light Metal Primer	241	Ordering Reference No. 402
3	Light Metal Primer	241	Ordering Reference No. 402
4	Light Metal Primer	241	Ordering Reference No. 402
5	Light Metal Primer	241	Ordering Reference No. 402
6	Light Metal Primer	241	Ordering Reference No. 402
7	Light Metal Primer	241	Ordering Reference No. 402
8	Light Metal Primer	241	Ordering Reference No. 402
9	Light Metal Primer	241	Ordering Reference No. 402
10	Light Metal Primer	241	Ordering Reference No. 402
11	Light Metal Primer	241	Ordering Reference No. 402
12	Light Metal Primer	241	Ordering Reference No. 402

The **list of keywords lists all products in alphabetical order**. Alternatively, the **index lets you find the page numbers for products by reference number**.

Order forms for various products with the respective fax numbers are found in the section Ordering Information / List of Keywords / Index.

User instructions for products

Name of product: C-Orthocryl

Application examples, product characteristics and advantages:
 Now also with antibacterial features (617H255!)
 + Lamination resin for carbon fibre technique
 + Facilitates fabricating components with a low proportion of resin
 + Optimum ratio of matrix to reinforcing materials

Technical data such as net contents, colour, length, width

Article number	617H55=0.900	617H55=4.600	617H55=25
Net contents	0.9 kg	4.6 kg	25 kg

Mixing ratio:
 Resin : Hardener : Colour Paste
 100 : 2-3 : 3

Notice:
 • 642K13 Filling Set is available for containers 25 kg and over.

Image of product:

Hazardous substance symbols:
 indicate danger while handling certain products. You will find the explanation of the hazardous substance symbols on the fold-out page.

Practical recommendation:
 • Casting carbon on carbon, no filter layers are required
 • For sheet casting, use only 618F4 PVA Film or 99B81 PVA Bags.

Order key

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as size and colour. The order samples on the respective catalogue pages show how the article number can be determined quickly and easily.

Ordering example

Reference number = Colour Thickness

617S25 = H 4

Reference number	617S25	617S25
Length	890 mm	890 mm
Width	640 mm	640 mm
Thickness	4 mm, 5 mm, 6 mm, 8 mm, 12 mm, 24 mm	14 mm
Colour	Skin colour (H)	Black (S)

• The article number is used when making enquiries or placing orders by phone, fax, e-mail or via the online shop.

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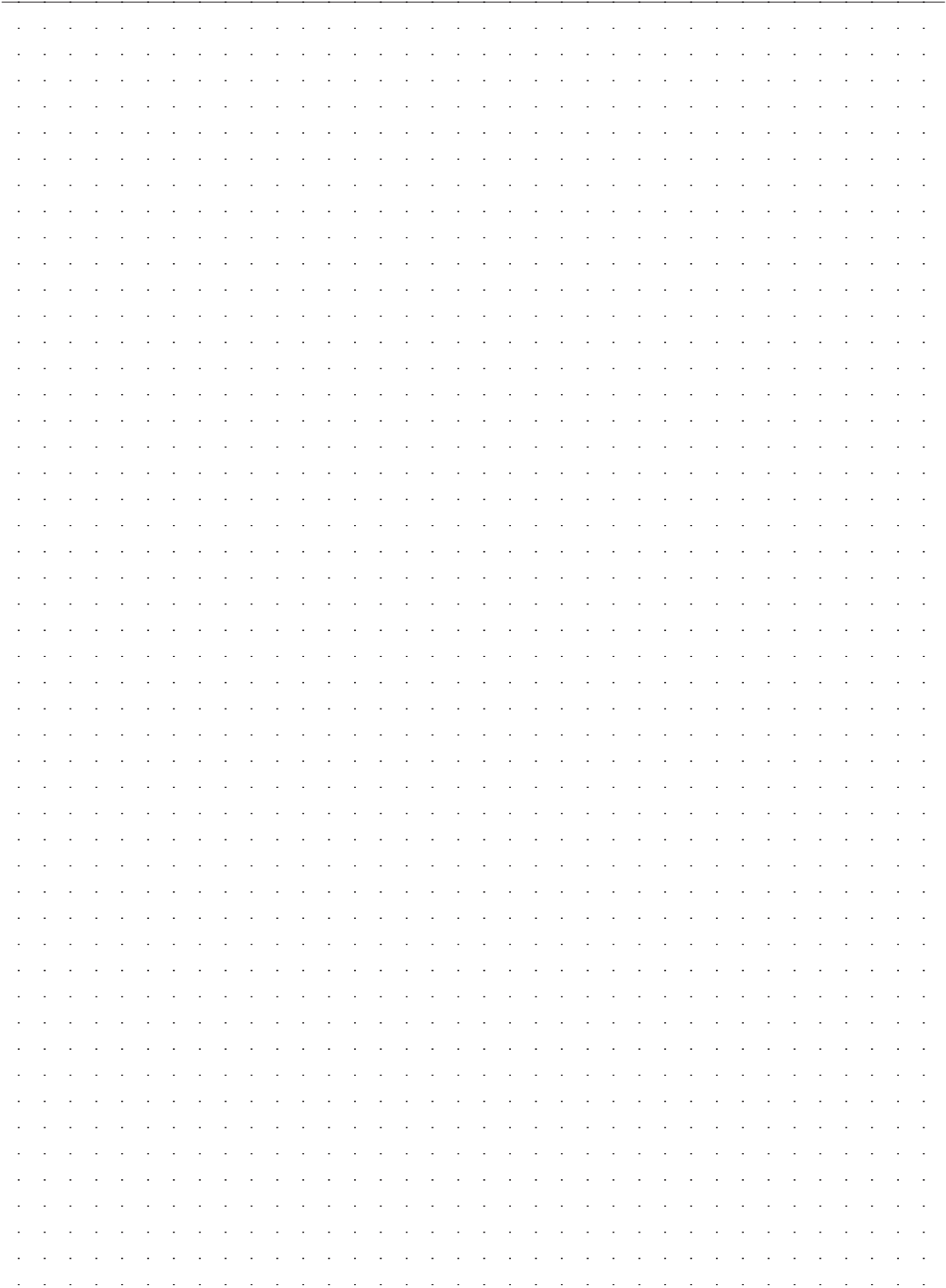
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At Ottobock, we place great emphasis on CUSTOMER SERVICE. Our competent contacts assist you with their comprehensive expertise, inform you about the latest developments and consult you in all matters concerning our products. For more complex enquiries, our product experts and specialists from Fabrication will be delighted to help you. Our highly qualified team of field service employees will assist with special technical solutions and their on-site implementation. We also offer comprehensive service and marketing concepts.

Visit www.ottobock.com to obtain up-to-date product information at any time.



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Plaster and Forming Technology

Prostheses must fit precisely to ensure proper functioning and acceptance by the patient. A plaster cast created with functional factors in mind is a prerequisite for ensuring good contact between the prosthetic socket and the residual limb.

Plastering technique, from taking the negative on the patient to properly modelling the positive, requires both high-quality materials and skill. The plaster used must have a porous structure and yet still be fine-grained. Once final corrections have been made, the plaster positive is sanded down to a smooth finish and thoroughly dried. Only then can the process of preparing a prosthetic socket using the plaster cast model be started (lamination technology).

Pedilen duplicating foams have proven excellent for precise forming of prosthetic sockets. The hardened, formed part is flexible and can easily be removed from the socket. It retains its shape and dimensions. These characteristics ensure precise and reliable finishing.

HIGHLIGHTS

699G30 Cellacast Xtra®
Rigid Bandages



- + For immobilisation after fractures, operations and orthopaedic corrections; for treatment of joint and bone disorders and for promoting mobilisation as well as for bandaging child patients
- + For making temporary fastenings in prosthetics (socket protection/adapter securing, e.g. check sockets)
- + For producing negative casts (orthotics)
- + Alternative to the conventional plaster bandage
- + Lightweight, permeable to air, X-ray transparent, waterproof and very stable once hardened
- + Good adhesion to various materials, e.g. wood, lamination resin, foam, thermoplastics

649G26 Soft Pad Sanding
Paper



- + For manually finishing contours, rounded edges and areas that are difficult to access
- + Polyurethane foam with aluminium oxide
- + Can be applied wet and dry
- + Highly flexible, does not kink
- + Does not form sharp edges
- + Adapts to every contour
- + Does not slip in the hand
- + Forms a very fine and even finish

642V15=1 Impresil



- + For producing flexible and clean impressions
- + Can be used for taking impressions and correcting trial fittings on the patient in many areas, including finger prostheses, partial hand prostheses, scar compression masks and gloves, partial foot prostheses, transfemoral and transtibial prostheses, liners as well as orthoses
- + Facilitates taking detailed impressions of the area to be cast
- + Clean processing regardless of environmental conditions
- + Does not stick to skin or hair, and is thus easy to demould
- + In contrast to plaster bandages, it leaves no residues on the skin
- + Can be reworked
- + Can be sanded
- + Saves time and material
- + Refillable
- + No irritating or allergenic components; therefore suited for application on unbroken skin (no open wounds)

Cellacast Xtra® is a registered trademark of Lohmann.

Plaster Insulating Cream

- + Insulating layer for keeping the skin separated during plaster casting
- + Lines produced with a copying pen or grease pen are clearly visible on the negative
- + When applied to the skin, an even parting film is immediately created by the heat of the body
- + Does not smear, drip or stick

Article number	640Z5=1	640Z5=5
Net contents	1 kg	5 kg



Plaster Parting Agent

- + For isolating plaster from plaster
- + For isolating plaster from thermoplastics

Application example



Immerse the stockinette directly in 85F1 Plaster Parting Agent and allow to soak, or fill 85F1 Plaster Parting Agent into a 642B2 Measuring Cup and immerse stockinette.



When the stockinette is impregnated with Plaster Parting Agent, remove it from the flask or measuring cup and pull it directly over the model.



Immediately before vacuum forming, impregnate the stockinette with Plaster Parting Agent again and rub the agent in.

Article number	85F1
Net contents	1 l



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Biplatrix® Quick Plaster Bandage

- + For taking a plaster cast
- + Consists of a cotton substrate coated with a special natural plaster blend
- + Latex-free
- + Very easy moulding
- + Minimised dipping losses
- + Easy to process
- + Ensures high final strength, even with few layers
- + Also available as 699G21 Longuette for individual cutting
- + Dipping water temperature: 20 °C to 25 °C (68 °F to 77 °F)
- + Working time: approx. 2 minutes
- + Load bearing capacity: partial load after 30 minutes, full load after 48 hours

Order example

Reference number	=	Length	x	Width
699G19	=	2	x	6

Reference number	699G19
Length	2 m
Width	6 cm, 8 cm, 10 cm, 12 cm, 15 cm
Order by	Package of 20 (sealed @ 2 bandages)

Reference number	699G20
Length	3 m
Width	8 cm, 10 cm, 12 cm, 15 cm
Order by	Package of 20 (sealed @ 2 bandages)

Article number	699G20=3x20
Length	3 m
Width	20 cm
Order by	Package of 10 (sealed @ 2 bandages)

Reference number	699G21
Length	25 m
Width	10 cm, 12 cm, 15 cm, 20 cm
Order by	Package of 1 (4 layers)



646A230=GB

Elastic Plaster Bandages

- + For taking a plaster cast
- + Elasticity of plaster bandages allows for better pre-compression of soft tissue
- + Curing time adapted to the application
- + Coated plaster bandage that leads to less plaster waste, is easier and faster to work with, can take loads earlier and results in a higher final strength of the bandage

Order example

Reference number	=	Width
699G1	=	8

Reference number	699G1
Length	2 m
Width	8 cm, 10 cm, 12 cm, 15 cm, 24 cm, 35 cm
Order by	Package of 10

Biplatrix® is a registered trademark of BSN medical.

Cellona® Plaster Bandages

- + For taking a plaster cast
- + Easy moulding
- + Load bearing capacity of the bandage is achieved quickly, ready for transportation after approx. 30 minutes, fully cured after approx. 24 hours
- + Coated plaster bandage that leads to less plaster waste, is easier and faster to work with, can take loads earlier and results in a higher final strength of the bandage

Order example

Reference number = Width

699G3 = 6

Reference number	699G3
Length	2 m
Width	6 cm, 8 cm, 10 cm, 12 cm, 15 cm, 20 cm
Order by	Package of 10

Reference number	699G9
Length	3 m
Width	10 cm, 12 cm, 15 cm, 20 cm
Order by	Package of 10



Perfekta® Strong Elastic Bandage

- + Cohesive bandage for compression and support
- + For immobilising body parts, for fixating bandages and for compression therapy following amputation
- + 94% cotton, 6% spandex (polyurethane) and polyamide (traces)
- + Features 2 bandage clips; can also be fixated with plaster
- + Even working pressure with a favourable massaging effect
- + Strong fabric structure
- + High permanent elasticity
- + Strong restoring force
- + Resistant to unguents and to ageing
- + Washable (hot wash up to 95°C/203°F)



 646D369=GB

Article number	699C6=10	699C6=12
Length	5 m	5 m
Width	10 cm	12 cm
Colour	skin colour	skin colour

- The Perfekta® Strong elastic bandage is approximately 5 m long when stretched and approximately 1.8 m long when not stretched.

Stucco Plaster

- + For fabricating positive models in orthopaedics technology
- + Grain coarser than with alabaster modelling plaster
- + Fast curing
- + High strength

Article number	699G2=25
Net contents	25 kg



Cellona® and Perfekta® are registered trademarks of Lohmann.

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Alabaster Modelling Plaster

- + For fabricating positive models in orthopaedics technology
- + Manufactured with selected raw stones, finely ground and very pure, with high degree of whiteness
- + After curing, the surface is smooth and ideally suited for modelling

Article number	699G4=25
Net contents	25 kg

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Synthetic Plaster

- + For accurate visual models and mould construction
- + Very pure raw material
- + High capacity for pressing out and absorbing water
- + Above-average hardness

Article number	87G1=40
Net contents	40 kg

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	Water	:	Plaster
	1		3

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Porous Plaster

- + For direct contact between silicone and plaster in vacuum technology for Pastasil and Chlorosil
- + Porous special plaster for silicone technology
- + Harder than modelling plaster

Article number	87G2
Net contents	40 kg

7

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	Water	:	Plaster
	1		1.4

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Latex Parting Agent

- + For insulating dry plaster models
- + A thin latex skin forms and serves as a separating layer with excellent separating properties
- + Easy to process

Article number	617F6
Net contents	0.865 kg

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Orthocryl Varnish

- + High quality 1-component acrylic-based topcoat for metals, wood and various plastics
- + For insulating damp plaster models
- + For varnishing sanded laminate surfaces
- + Base: synthetic adhesive agent and solvent
- + Resistant to touch after approx. 1 hour and fully cured after approx. 24 hours
- + Can be coloured with Ottobock resin colour pastes
- + 634A1 suitable as a thinner

Article number	635L12
Net contents	0.95 kg
Colour	transparent



i 646F297=GB

Thinner and Solvent

- + For thinning and as a cleaning agent, e.g. for 635L8 Special Socket Varnish as well as 635L12 Orthocryl Varnish
- + For washing off varnish
- + For cleaning and degreasing, e.g. metals, wood, parchment
- + Excellent thinner and solvent
- + Can also be used for working the edges of check sockets such as ThermoLyn rigid

Article number	634A1=0.950	634A1=5	634A1=10	634A1=25
Net contents	0.95 kg	5 kg	10 kg	25 kg



Practical recommendation:

- We recommend the 642K13 Filling Set for 25 kg containers

Copying Pens

- + For marking plaster casts and models
- + Water varnish base

Article number	645C1
Colour	blue
Order by	Package of 12



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Grease Pens

- + For marking damp plaster casts and models
- + For marking lines, e.g. on thermoplastics
- + For paper, glass, plastic, metal
- + Easily removable, therefore good alternative to permanent markers
- + Lead made of high-quality pigments
- + Can be applied with water
- + Various colours available

Article number	645C2=2	645C2=3	645C2=5
Colour	red	green	blue
Order by	Package of 12	Package of 12	Package of 12

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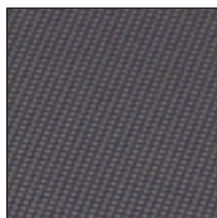


Grit Cloth

- + Makes surface finishing of plaster models easier
- + Adapts to rounded surfaces during the sanding process

Article number	649G22=180
Grain	180
Length	280 mm
Width	230 mm

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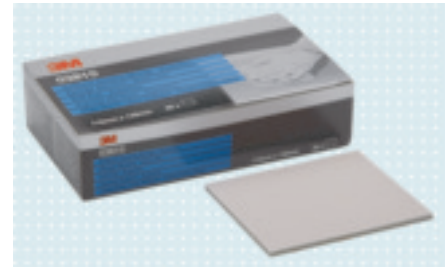
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Soft Pad Sanding Paper

- + For manually finishing contours, rounded edges and areas that are difficult to access
- + Polyurethane foam with aluminium oxide
- + Can be applied wet and dry
- + Highly flexible, does not kink
- + Does not form sharp edges
- + Adapts to every contour
- + Does not slip in the hand
- + Forms a very fine and even finish



Application example



Squeeze together 649G26 Soft Pad Sanding Paper and submerge it in water until it has fully soaked.



Using the fully soaked soft pad sanding paper, work the plaster model with the grain surface, applying circulating movements and only slight pressure. (Do not rinse sanding residue under running water!) Soft pad sanding paper can be folded centrally, so that small radii can be worked without damaging the brim.



Once again fully soak soft pad sanding paper in water and use it to skim off the plaster model with the foam side in order to close fine pores with plaster residue.

Article number	649G26=320	649G26=400
Design	320	400
Grain	320 – 400 (fine)	400 – 500 (super fine)
Length	115 mm	115 mm
Width	140 mm	140 mm
Height	5 mm	5 mm
Order by	Package of 20	Package of 20

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Cellacast Xtra® Rigid Bandages

- + For immobilisation after fractures, operations and orthopaedic corrections; for treatment of joint and bone disorders and for promoting mobilisation as well as for bandaging child patients
- + For making temporary fastenings in prosthetics (socket protection/adaptor securing, e.g. check sockets)
- + For producing negative casts (orthotics)
- + Alternative to the conventional plaster bandage
- + Lightweight, permeable to air, X-ray transparent, waterproof and very stable once hardened
- + Good adhesion to various materials, e.g. wood, lamination resin, foam, thermoplastics

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Order example

Reference number = Width - Colour

699G30 = 5 - 3

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Reference number	699G30
Length	3.6 m
Width	5 cm, 7.5 cm, 10 cm, 12.5 cm
Colour	Green (3), Yellow (4), blue (5), Cream (9), Orange (13)
Order by	Package of 10



Practical recommendation:

- For processing 641H9=2, we recommend using latex-free examination gloves.
- Sticking of the bandage to the skin can be avoided by enveloping all surfaces that come into contact with the bandage in a body protection stockinette (e.g. 81A1 Nylon Sock on reel) before applying the bandage.

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Protective Body Stockinette Kit

- + Device for protecting the body while casting
- + Body and residual limb protective stockinettes for transfemoral amputees
- + 100% cotton
- + Prevents skin stressing
- + Suitable for surfaces

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Article number	641T3=1	641T3=2	641T3=3	641T3=4
Design	1	2	3	4
Length	16 cm	32 cm	16 cm	32 cm
Width	30 cm	30 cm	38 cm	38 cm
Order by	Package of 6	Package of 6	Package of 6	Package of 6

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Body Protection Stockinette

- + Device for protecting the body while casting
- + Body protection stockinette for hip disarticulation patients
- + 100% cotton
- + Prevents skin stressing
- + Suitable for surfaces

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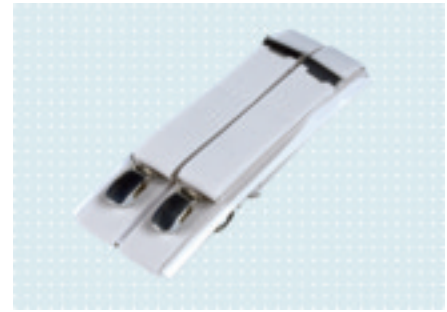
Article number	641T2=1	641T2=2
Design	1	2
Width	approx. 30 cm	approx. 38 cm
Order by	Package of 6	Package of 6

Cellacast Xtra® is a registered trademark of Lohmann.

Stockinette Holder

- + For plaster casting, e.g. for hip disarticulation
- + Suspenders, narrow, with clip closures
- + Nickel-free metal parts
- + Washable
- + Reusable

Article number	21B34
Length	120 cm
Weight	0.09 kg



Cellona® Skin Protection Cream

- + Protective skin-care cream, for use during plastering work
- + Easy dosing
- + Penetrates quickly
- + The skin is coated with a permeable protective skin-care film
- + Ideal for severely stressed skin

Article number	640Z10
Net contents	0.1 l
Order by	1 tube



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Cellona® is a registered trademark of Lohmann.

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Residual Limb Sock

- + For taking plaster casts, e.g. for KAFOs
- + Suitable as a filtering bag for vacuum forming
- + Polyamide
- + Pre-impregnated

Application example



Pre-tension the 99B25 Residual Limb Sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam.



Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.



With the welded seam turned inwards, pull the sock over the model.

Article number

99B25

Length

approx. 50 cm

Order by

Package of 10



Practical recommendation:

- Can be individually shortened and welded

Nylon Sock

- + For taking plaster casts, e.g. for KAFOs
- + Suitable as a filter and final layer for lamination work
- + For reinforcing Pastasil
- + For vacuum technology with Chlorosil
- + Polyamide
- + Especially elastic
- + Not pre-impregnated

Application example



Application example – vacuum forming in orthotics:

Pull 81A1 Nylon Sock over the plaster model, shorten to twice the model size, twist off and fold back again.



Application example – vacuum forming in prosthetics:

Pre-tension the 81B1 Nylon Sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam. Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.



With the welded seam turned inwards, pull the sock over the model.



 646D453=EN

Article number	81A1=8	81A1=10	81A1=12	81A1=15	81A1=20
Length	101.5 m	84.6 m	67.8 m	52.5 m	48 m
Width	8 cm	10 cm	12 cm	15 cm	20 cm
Weight	1 kg	1 kg	1 kg	1 kg	1 kg



Practical recommendation:

- Individually adaptable and weldable

Plaster Cast Scissors

- + For cutting open plaster bandages
- + Stainless steel

Article number	719G1
Length	220 mm
Weight	0.2 kg



Practical recommendation:

- For easily cutting plaster bandages; while cutting, dip the plaster cast scissors into 640Z5 Plaster Insulating Cream several times between individual work steps

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PVC Suction Hose

- + Tool for cutting open plaster casts
- + Transparent
- + Diameter of the PVC suction hose is optimally adapted to the blades of the 719G1 Plaster Cast Scissors

Article number	616R2=10x2
Inside Ø	6 mm
Outside Ø	10 mm
Weight	0.06 kg/m



Practical recommendation:


- For easy removal, apply 640Z5 Plaster Insulating Cream to the PVC suction hose before removing the plaster cast.



Alginate

- + For detailed casts of hands, fingers, feet, epitheses and scar treatment.
- + Greater accuracy and detail than plaster
- + Remains elastic in its cured state

Article number	87A1
Net contents	0.45 kg

	Water 1	:	Alginate 1
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Practical recommendation:

- Mix in 1:1 ratio with cold water and apply as a layer of approx. 1 cm. Reinforce the exterior with a plaster bandage. Once hardened, immediately fill with plaster (87G1/G2). Immediately after making the Alginate impression, prepare the plaster positive.



Vaseline

- + For isolating the skin for plaster casts
- + High melting point, which ensures that the vaseline remains on the areas to be isolated
- + Due to its high melting temperature, vaseline is particularly suitable for taking impressions in hot environments, because it remains on the skin longer
- + Especially pure
- + Pasty consistency
- + Easy to spread

Article number	84V1
Net contents	0.225 kg
Colour	White

Impresil

Impresil is a 2-component Silicone that cross-links at room temperature. It is thixotropic so that even when applied to vertical planes at thicknesses of less than 5 mm, it will not drip. It hardens in about 6 minutes, which leaves enough processing time even when taking complex impressions. Impresil is processed at a room temperature of 23°C/73.4°F. The hardness of the vulcanised silicone is approx. 30° Shore A.

- + For producing flexible and clean impressions
- + Can be used for taking impressions and correcting trial fittings on the patient in many areas, including finger prostheses, partial hand prostheses, scar compression masks and gloves, partial foot prostheses, transfemoral and transtibial prostheses, liners as well as orthoses
- + Facilitates taking detailed impressions of the area to be cast
- + Clean processing regardless of environmental conditions
- + Does not stick to skin or hair, and is thus easy to demould
- + In contrast to plaster bandages, it leaves no residues on the skin
- + Can be reworked
- + Can be sanded
- + Saves time and material
- + Refillable
- + No irritating or allergenic components; therefore suited for application on unbroken skin (no open wounds)

Application example



Compensates for differences in shape and volume in scar compression fittings during trial fittings.



Compensates for differences in the shape and volume of prosthetic sockets for the upper and lower limbs and for orthotics during trial fitting.



For taking impressions on the patient, e.g. partial hand/partial foot prostheses.



646S1=3.06GB



647G363

Article number 642V15=1

Consisting of 1 dispenser
5 cartridges, 75 ml each (component A and component B)
20 static mixers



Practical recommendation:

- To prevent the material from dripping, apply a maximum of 5 mm to vertical surfaces during each process step.
- Cool storage can increase the processing time.

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Refill pack: Impresil Carton Set

Article number	87A5
Consisting of	5 cartridges, 75 ml each (component A and component B) 10 static mixers

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 646S1=3.06GB  647G363

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Parting Agent HS

- + For isolating residual limb sockets before duplicating
- + Solvent-free

Article number	617F8=0.150	617F8=1	617F8=5	617F8=10
Net contents	0.15 kg	1 kg	5 kg	10 kg



Practical recommendation:

- The residual limb socket should be dry as well as free of grease and oil before casting. We recommend 453H10 Derma Clean as an aid.
- In order to achieve optimum isolation, the residual limb socket should be thinly swashed out with the parting agent or the parting agent should be applied thinly with a cloth and then dried with cold air.

ThermoLyn Trolene

PE-LD

- + Used as a forming and parting material
- + For orthotic components that require little stiffness but high flexibility
- + For fabricating flaps in socket technology
- + Individually cut to size, it can be used as a device for filling work
- + Reusable and easy to clean due to its smooth surface
- + Flexible polyethylene
- + Opaque
- + Good transparency
- + Low molecular weight
- + Good thermoplastic formability
- + High flexibility
- + Temperature recommendation: processing temperature 125°C/257°F (heating plate, convection oven, infrared oven)



646F265=GB



646D300=GB

Article number	616T3=1	616T3=2	616T3=2000x1000x2	616T3=2000x1000x3	616T3=40x32x2
Length	1,000 mm	1,000 mm	2,000 mm	2,000 mm	40 mm
Width	500 mm	500 mm	1,000 mm	1,000 mm	32 mm
Thickness	1 mm	2 mm	2 mm	3 mm	2 mm
Colour	natural colour	natural colour	natural colour	natural colour	natural colour



Practical recommendation:

- Can also be used as a dummy material, e.g. with lamination technology.

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646A230=GB

Pedilen Duplicating Foam

- + Two-component plastic which is outstanding for making quick prosthetic socket duplications
- + It also copies undercuts precisely and can be easily removed
- + Further modifications possible, e.g., can be sanded or 636K17 Otto Bock Lightweight Putty can be applied
- + Sensitive to moisture

Article number	617H37=0.865	617H37=4.600	617H37=9.320
Net contents	0.865 kg	4.6 kg	9.32 kg



Practical recommendation:

- Immediately after the Pedilen Duplicating Foam has hardened and cooled, fold out the cast with a stable layer of plaster. Let this layer harden and fill the model with plaster.

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Hardener for Pedilen Rigid Foams

- + Hardener for all Pedilen rigid foams and Pedilen duplicating foams
- + Hardener has no influence on the swelling factor, foam determines swelling factor

Article number	617P21=0.865	617P21=2.300	617P21=4.600	617P21=9.320
Net contents	0.865 kg	2.3 kg	4.6 kg	9.32 kg

For residual limb lengths of 20 cm and residual limb circumferences (centre) of 20 cm

 617H37 Duplicating Foam 100	:	617P21 Hardener 40
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See the table below for further mixing ratios.
(Duplicating Foam:Hardener; quantities in g)

		Circumference of residual limb (centre)				
		20 cm	30 cm	40 cm	50 cm	60 cm
Length of Residual limb	10 cm	50:20	100:40	150:60	200:80	200:80
	20 cm	100:40	150:60	200:80	300:120	400:80
	30 cm	100:40	200:80	250:100	350:140	400:160
	40 cm	150:60	200:80	350:140	400:160	500:200

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Practical recommendation:

- Shake well for 30 seconds before using
- To achieve the exact mixing ratio, we recommend using a 642B2 Measuring Cup.

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Pedilen Impression Foam

- + Foamed plastic for taking footprints for orthopaedic devices, e.g. for fabricating insoles
- + For making plaster positives from a three-dimensional track
- + Quick impression taking and easy removal of plaster positives

Article number	699S1=25	699S1=25-5
Length	305 mm	305 mm
Width	140 mm	140 mm
Thickness	4 cm	5 cm
Order by	Package of 25 pairs	Package of 25 pairs



 646A230=GB

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Thermoplastics and Accessories



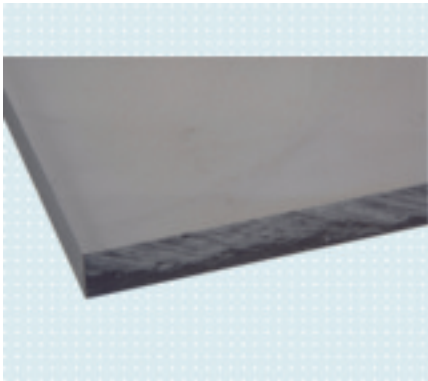
Thermoplastics are being used for more and more applications in orthopaedics technology. In addition to our product range that has been proven for many years, we develop innovative thermoplastics and practical solutions in cooperation with engineers and prosthetists. The interplay of materials science and processing techniques reveals new insights step by step, and therefore guarantees the consistent development and enhancement of thermoplastics in orthopaedics technology.

We offer a wide variety of thermoplastics from polyethylene (PE) and polypropylene (PP) to copolyester (PETG). The polyethylene (PE) and polypropylene (PP) thermoplastic material groups are particularly well suited for the fabrication of prostheses and orthoses. These materials are very lightweight and offer long-term functionality in orthopaedics technology. Copolyester (PETG) is also used, for example, in the fabrication of self-supporting check sockets. In this context, SKINGUARD technology stands out as one of the highlights in our selection of thermoplastics. SKINGUARD is an umbrella brand representing technologies with various antibacterial substances based on different active principles.

HIGHLIGHTS

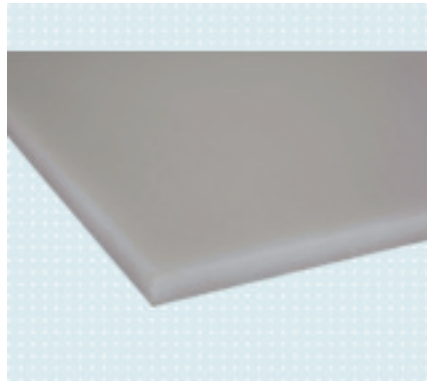
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616T283 Antibacterial ThermoLyn clear



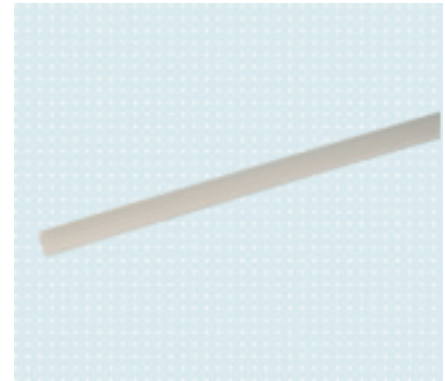
- + For fabricating scar compression masks, trial orthoses and self-supporting check sockets (for temporary use)
- + Antibacterial effect
- + Transparency of the check socket facilitates precise verification of the fit and skin discolouration on the residual limb
- + Good fracture resistance
- + Very high impact strength
- + High dimensional stability
- + Can be over-laminated to secure adapters
- + Low shrinkage
- + Temperature recommendation: 165 °C (329 °F) (heating plate, convection oven, infrared oven)

616T111 ThermoLyn supra soft plus Silicone



- + For fabricating highly flexible transfemoral soft-walled inner sockets
- + EVA with silicone
- + Very high flexibility
- + Facilitates the fabrication of more comfortable socket edges
- + High surface quality
- + Comfortable to wear
- + Easy to sand
- + Washable
- + Temperature recommendation: 150 °C (302 °F) (convection oven, infrared oven)

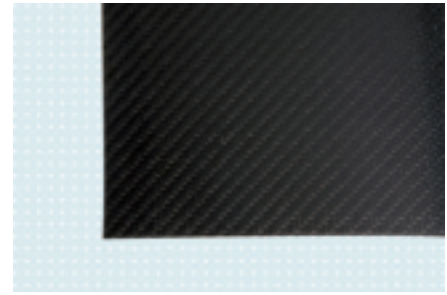
617R11 Thermopreregs PE/PP



- + For partial reinforcement in fabricating dorsiflexion-assist orthoses, knee orthoses, leg orthoses (also as test orthoses made of PP), spinal orthoses and wrist orthoses
- + Glass fibre reinforced thermoplastic profile
- + In combination with the appropriate thermoplastic sheets, this profile can be incorporated into an orthosis in a single process step
- + Partial reinforcement can be adapted to the respective orthosis in both position and direction
- + Component distortion can be counteracted

TP.C Carbon Fibre Woven

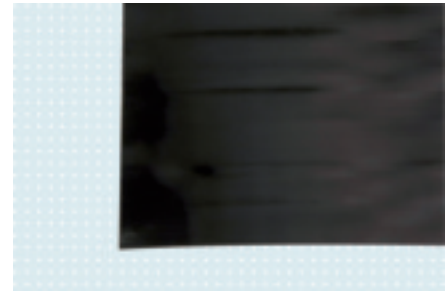
- + For high-strength, very thin orthoses on a thermoplastic material basis
- + Matrix: polyamide 12
- + Can be thermoformed under pressure
- + High tensile strength
- + Suitable for surfaces
- + Can be welded with components of the same matrix
- + Clean processing
- + No special storage requirements (e.g. no cooling)
- + Moderate temperature recommendation: approx. 200 °C (392 °F)



Article number	617R15=5
Thickness	approx. 0,2 mm
Area	5 m ²
Fibre weight per unit area	200 g/m ²
Bond type	Twill 2/2
Fiber content	60 percent by weight
Resin content	40 percent by weight

TP.C Carbon Fibre UD

- + For high-strength, very thin orthoses on a thermoplastic material basis
- + For increasing bending rigidity
- + Matrix: polyamide 12
- + Can be thermoformed under pressure
- + High tensile strength
- + Always embed between 617R15=5 Carbon Fibre Woven
- + Can be welded with components of the same matrix
- + Clean processing
- + No special storage requirements (e.g. no cooling)
- + Moderate thermoforming temperature: approx. 200 °C (392 °F)

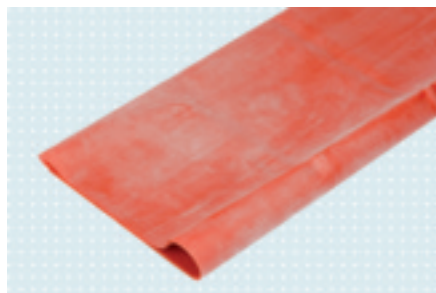


Article number	617R17=3
Thickness	approx. 0,15 mm
Area	3 m ²
Fibre weight per unit area	130 g/m ²
Bond type	UD
Fiber content	60 percent by weight
Resin content	40 percent by weight

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Silicone Foil

- + Processing aid for TP.C
- + Temperature stable
- + Highly elastic
- + Processing temperature: max. 240 °C (464 °F)

Article number	616F26=5000x1200
Length	5,000 mm
Width	1,200 mm
Colour	Red-brown

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Bonding Agent

- + Universally applicable for sealing, adhering and coating
- + For adhering and repairing vulcanised silicone rubber
- + For sealing valves
- + Pasty consistency
- + Easy to process
- + Outstanding adhesion properties

Article number	617H46
Net contents	90 ml
Colour	transparent

 647H23

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Practical recommendation:

- During processing, a thin skin will form on the surface of the adhesive after one minute. Any shaping of the silicone adhesive must be completed before this skin starts to form. To shape transitions, a wetted modelling instrument or an ice cube have proven useful.

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Antibacterial ThermoLyn PP-H

PP-H

- + For shape-retaining orthotic components, e.g. paralysis orthoses, DAFOs and Ankle seven
- + Antibacterial effect
- + High stiffness
- + High strength
- + High thermoplastic dimensional stability
- + Reduced impact strength
- + Can be reinforced with 617R11=PP Thermoprepreg PP
- + Easy to dye with Ottobock thermopapers
- + Temperature recommendation: 215 °C (419 °F) (heating plate), 185 °C (365 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

616T420 = 2



Reference number	616T420
Length	2,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 15 mm
Colour	natural colour



646F265=GB



646A263=GB
646D119=GB
646D300=GB



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Practical recommendation:

- The low impact value means great care must be taken during machining in order to avoid brittle fractures (stress concentration).

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Antibacterial ThermoLyn PE 200

PE 200


- + For fabricating orthoses, e.g. TLSOs
- + Antibacterial effect
- + Hard polyethylene
- + Low molecular weight
- + Good welding characteristics
- + Good sanding characteristics
- + Minor shrinkage
- + Can be combined with, for example, 617S7/617S8 Plastazote®
- + Can be reinforced using 617R11=PE Thermoprepreg PE
- + Easy to dye with Ottobock thermopapers
- + Temperature recommendation: 180 °C (356 °F) (heating plate), 165 °C (329 °F) (convection oven, infrared oven)

Order example

Reference number	=	Thickness
616T495	=	2

	Reference number	616T495
	Length	2,000 mm
	Width	1,000 mm
	Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm
	Colour	natural colour

 646F265=GB

 646A263=GB
646D119=GB
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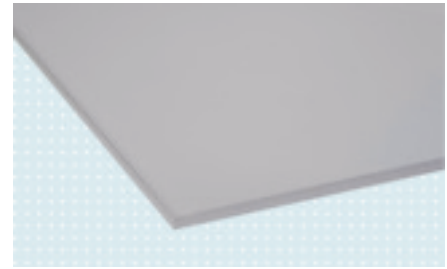


Plastazote® is a registered trademark of Zotefoams.

Antibacterial ThermoLyn PETG clear

Copolyester

- + For all liner fittings with/without distal connection
- + Used as the first layer in definitive sockets, e.g. for Harmony fittings
- + For transfemoral fittings with/without liners
- + Antibacterial effect
- + Highly transparent
- + Break resistant
- + High impact strength
- + After the check socket has been transferred, the plaster requires no drying
- + Moist plaster requires no isolation for laminating
- + PETG replaces the inside sheeting
- + Very smooth inner surface
- + Makes donning easier and increases the service life of the liner/soft socket/sealing sleeve
- + Temperature recommendation: 170 °C (338 °F) (convection oven), 160 °C (320 °F) (infrared oven)



646T4=1.0GB



Application example



Infrared oven

(e.g. 701E20) Preheat to 160°C/320°F:

a) For residual limb length up to 21 cm:

Clamp the 3 mm PETG into the smaller 755X84=260x8 frame (diameter 260) in combination with 755T4=360 and heat up for 2:45 min

b) For residual limb length upwards from 21 cm:

Clamp the 5 mm PETG into the 755T4 =360 vacuum forming insert (diameter 360) and heat up for 4:10 min



Convection oven

(e.g. 701E7) Preheat to 170°C/338°F:

a) For residual limb length up to 21 cm:

Clamp the 3 mm PETG into the small 755X84=260x8 frame (diameter 260) in combination with 755T4=360 and heat for 12 min

b) For residual limb length upwards from 21 cm:

Clamp the 5 mm PETG into the small 755T4 =360 vacuum forming insert (diameter 360) and heat up for 13 min



Select as small a vacuum forming plate as possible
We recommend that you use the following equipment:

755X104=180 Vacuum Pipe with Sealing Disc (diameter 180)
or
755X104=260 Vacuum Pipe with Sealing Disc (diameter 260)

Remove the PETG sheet from the oven very quickly and vacuum form it immediately with high vacuum (if required, shape undercuts with hot air gun, e.g. 756E9).

Auxiliary devices:

755E9 Vacuum Pump
641H13 Temperature-Resistant Glove

Article number	616T483=3	616T483=5
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	3 mm	5 mm
Colour	clear	clear



Practical recommendation:

- Coat the model with 633F23=1 Silicone Grease
- For working edges we recommend hot air or 634A80 SuperSkin Cleaning Agent

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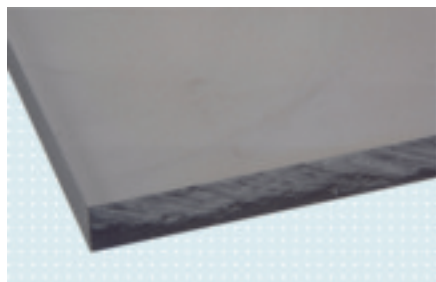
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Antibaeterial ThermoLyn clear

Copolyester

- + For fabricating scar compression masks, trial orthoses and self-supporting check sockets (for temporary use)
- + Antibaeterial effect
- + Transparency of the check socket facilitates precise verification of the fit and skin discolouration on the residual limb
- + Good fracture resistance
- + Very high impact strength
- + High dimensional stability
- + Can be over-laminated to secure adapters
- + Low shrinkage
- + Temperature recommendation: 165 °C (329 °F) (heating plate, convection oven, infrared oven)

 646F265=GB

 646D300=GB



Order example

Reference number = Thickness

616T283 = 8

Reference number	616T283	616T283
For the fabrication of	Trial orthoses	Self-supporting check sockets (for temporary use)
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	8 mm	10 mm, 12 mm, 15 mm, 20 mm
Colour	clear	clear



Practical recommendation:

- For working edges we recommend hot air or 634A80 SuperSkin Cleaning Agent

Antibacterial ThermoLyn rigid

Polystyrene

- + Suitable for the fabrication of self-supporting TT, TF and HD check sockets (for temporary use)
- + The proven, classic material for fabricating check sockets!
- + Antibacterial effect
- + Transparency of the check socket facilitates precise verification of the fit and skin discolouration on the residual limb
- + High stiffness
- + Good fracture resistance
- + High thermoplastic dimensional stability
- + High resistance to the formation of stress cracks
- + Extremely high impact strength
- + Can be over-laminated to secure adapters
- + Low shrinkage
- + Temperature recommendation: 170 °C (338 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

616T252 = 8



Reference number	616T252
Length	400 mm
Width	400 mm
Thickness	8 mm, 10 mm, 12 mm, 15 mm
Colour	clear

Order example

Reference number = Width x Length x Thickness

616T252 = 600 x 600 x 12



Reference number	616T252
Length	600 mm
Width	600 mm
Thickness	12 mm, 15 mm
Colour	clear



Practical recommendation:

- To work edges we recommend hot air or 634A1 Thinner and Solvent.



646F265=GB



646A263=GB
646D119=GB
646D300=GB



material
award



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Antibacterial ThermoLyn soft (EVA), colourless

EVA

- + Suitable for fabricating flexible inner prosthetic sockets for lower limb prostheses
- + Antibacterial effect
- + High flexibility
- + High surface quality
- + Can be subsequently thermoformed
- + Comfortable to wear
- + Washable
- + Temperature recommendation: 150 °C (302 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

616T253 = 8



Reference number	616T253
Length	400 mm
Width	400 mm
Thickness	8 mm, 10 mm, 12 mm, 15 mm
Colour	colourless

646F265=GB

646A263=GB
646D119=GB
646D300=GB



2010



Antibacterial ThermoLyn soft (EVA), Skin Colour

EVA

- + Suitable for fabricating flexible prosthetic sockets for upper limb prostheses
- + Antibacterial effect
- + High flexibility in the area of the socket edges
- + High surface quality
- + Can be subsequently thermoformed
- + Comfortable to wear
- + Washable
- + Temperature recommendation: 150 °C (302 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness


616T269 = 6



Reference number	616T269
Length	400 mm
Width	400 mm
Thickness	6 mm, 8 mm, 10 mm, 12 mm
Colour	skin colour



 646F265=GB

 646A263=GB
646D119=GB
646D300=GB



2010



Practical recommendation:

- We recommend using the 503F3 Socket Screw with Allen head in combination with the 29C3 or 29C5 Setting Nut

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ThermoLyn EVA/LDPE SilverShield®

EVA/LDPE

- + Suitable for fabricating flexible inner sockets in lower limb prosthetics
- + Antibacterial effect
- + Very high flexibility
- + Very low shrinkage due to pressed plastic
- + Pleasant wearing characteristics and skin comfort
- + Temperature recommendation: 150°C/302°F (convection oven, infrared oven)

Order example

Reference number = Thickness

616T200 = 9



Reference number	616T200
Length	400 mm
Width	400 mm
Thickness	9 mm, 12 mm, 16 mm
Colour	natural colour

Other thicknesses are available upon request.

646F265=GB

646A263=GB
646D119=GB
646D300=GB



2010



Practical recommendation:

- Place wet plaster cast in the oven. Prior to vacuum forming, coat the model with 633F23=1 Silicone Grease.

Thermoplastic Sample Kit

- + For the visual and haptic demonstration of various thermoplastic materials
- + Supports an informed selection of different materials



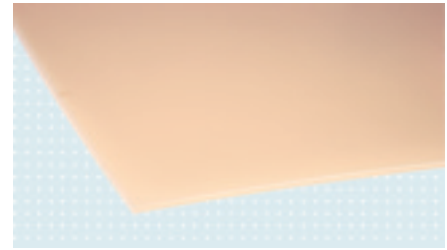
Article number **646M1**

SilverShield® is a registered trademark of North Sea Plastics.

ThermoLyn Pedilon

NTT Polyester

- + For the fabrication of orthoses without preparing a plaster cast or model
- + Mobile applications, ideal for hospital use and for providing instant patient fittings
- + Low-temperature polyester
- + Thermoformable at low temperatures
- + Eliminates the need for fabricating casts or models, a time-consuming process
- + Very high adhesive strength
- + High restoring capacity when reheated
- + Temperature recommendation: heat in water bath at 60°C/140°F



646F265=GB 646D300=GB

Application example



Place the pre-cut ThermoLyn Pedilon into warm water at approximately 60°C/140°F in the 759P1=220 Water Pan. The material becomes transparent when it reaches its moulding temperature. Remove the pre-cut material with a wooden spatula and allow the water to drip off.



Moisten hand and forearm well with cold water. Place the warm ThermoLyn Pedilon over the hand and forearm.



Final product: hand positioning orthosis

	Article number	616T73=NPx60x43x2	616T73=NPx90x60x3.2	616T73=NPx90x60x4
	Perforation	None (NP)	None (NP)	None (NP)
	Length	60 cm	90 cm	90 cm
	Width	43 cm	60 cm	60 cm
	Thickness	2 mm	3.2 mm	4 mm
	Article number	616T73=FPx60x43x1.6		616T73=FPx60x43x2
	Perforation	Fine (FP)		Fine (FP)
	Length	60 cm		60 cm
	Width	43 cm		43 cm
	Article number	616T73=MPx60x43x2	616T73=MPx60x45x2.5	616T73=MPx60x45x3.2
	Perforation	Medium (MP)	Medium (MP)	Medium (MP)
	Length	60 cm	60 cm	60 cm
	Width	43 cm	45 cm	45 cm
	Thickness	2 mm	2.5 mm	3.2 mm
	Article number	616T73=GPx60x43x2	616T73=GPx60x45x3.2	616T73=GPx90x60x4
	Perforation	Coarse (GP)	Coarse (GP)	Coarse (GP)
	Length	60 cm	60 cm	90 cm
	Width	43 cm	45 cm	60 cm
	Thickness	2 mm	3.2 mm	4 mm

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646F265=GB



646D300=GB

ThermoLyn Trolene

PE-LD

- + Used as a forming and parting material
- + For orthotic components that require little stiffness but high flexibility
- + For fabricating flaps in socket technology
- + Individually cut to size, it can be used as a device for filling work
- + Reusable and easy to clean due to its smooth surface
- + Flexible polyethylene
- + Opaque
- + Good transparency
- + Low molecular weight
- + Good thermoplastic formability
- + High flexibility
- + Temperature recommendation: processing temperature 125°C/257°F (heating plate, convection oven, infrared oven)

Article number	616T3=1	616T3=2	616T3=2000x1000x2	616T3=2000x1000x3	616T3=40x32x2
Length	1,000 mm	1,000 mm	2,000 mm	2,000 mm	40 mm
Width	500 mm	500 mm	1,000 mm	1,000 mm	32 mm
Thickness	1 mm	2 mm	2 mm	3 mm	2 mm
Colour	natural colour	natural colour	natural colour	natural colour	natural colour



Practical recommendation:

- Can also be used as a dummy material, e.g. with lamination technology.

ThermoLyn PP-C

Copolymer

- + Possible applications: AFOs, KAFOs, FOs, TLSOs
- + Versatile application!
- + Low weight
- + Good stiffness
- + High impact strength
- + Low tendency to white crack
- + Good thermoforming properties
- + Good shaping to orthotic joints
- + Good welding characteristics
- + Low shrinkage
- + Can be reinforced with 617R11=PP Thermoprepreg PP
- + Easy to dye with Ottobock thermopapers
- + Temperature recommendation: 215 °C (419 °F) (heating plate), 185 °C (365 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

616T120 = 2



Reference number	616T120
Length	2,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm
Colour	natural colour



646F265=GB
646S1=14.06GB 646D300=GB

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 646F265=GB

 646D300=GB
646D119=GB

ThermoLyn PP-H

Antibacterial version available (616T420)!

- + For shape-retaining orthotic components, e.g. paralysis orthoses, DAFOs and Ankle seven
- + Sheet size of 400 x 400 mm is ideal for the fabrication of prosthetic sockets
- + High stiffness
- + High strength
- + High thermoplastic dimensional stability
- + Reduced impact strength
- + Can be reinforced with 617R11=PP Thermoprepreg PP
- + Easy to dye with Ottobock thermopapers
- + Temperature recommendation: 215 °C (419 °F) (heating plate), 185 °C (365 °F) (convection oven, infrared oven)

Order example

Reference number = Width x Length x Thickness

616T20 = 400 x 400 x 10



Reference number	616T20
Length	400 mm
Width	400 mm
Thickness	10 mm, 12 mm, 15 mm
Colour	natural colour

Order example

Reference number = Length x Thickness

616T20 = 2000 x 2



Reference number	616T20
Length	2,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 15 mm
Colour	natural colour

Order example

Reference number = Thickness

616T56 = 3



Reference number	616T56
Length	2,000 mm
Width	1,000 mm
Thickness	3 mm, 4 mm, 5 mm
Colour	brown



Practical recommendation:

- The low impact value means great care must be taken during machining in order to avoid brittle fractures (stress concentration).

ThermoLyn PE 200

Also with antibacterial additive (616T495)!

- + For fabricating orthoses, e.g. TLSOs
- + Hard polyethylene
- + Low molecular weight
- + Good welding characteristics
- + Good sanding characteristics
- + Low shrinkage
- + Can be combined with, for example, 617S7/617S8 Plastazote®
- + Can be reinforced using 617R11=PE Thermoprepreg PE
- + Easy to dye with Ottobock thermopapers
- + Temperature recommendation: 180 °C (356 °F) (heating plate), 165 °C (329 °F) (convection oven, infrared oven)








646F265=GB

646D300=GB
646D119=GB

Order example

Reference number = Thickness

616T95 = 2

	Reference number	616T95				
	Length	2,000 mm				
	Width	1,000 mm				
	Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm				
	Colour	natural colour				
	Article number	616T19=2-0	616T19=3-0	616T19=4-0	616T19=5-0	616T19=6-0
	Length	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm
	Width	1,000 mm	1,000 mm	1,000 mm	1,000 mm	1,000 mm
	Thickness	2 mm	3 mm	4 mm	5 mm	6 mm
	Colour	Skin colour	Skin colour	Skin colour	Skin colour	Skin colour
	Article number	616T58=3	616T58=4	616T58=5	616T58=6	
	Length	2,000 mm	2,000 mm	2,000 mm	2,000 mm	
	Width	1,000 mm	1,000 mm	1,000 mm	1,000 mm	
	Thickness	3 mm	4 mm	5 mm	6 mm	
	Colour	blue	blue	blue	blue	
	Article number	616T60=3	616T60=4	616T60=5	616T60=6	
	Length	2,000 mm	2,000 mm	2,000 mm	2,000 mm	
	Width	1,000 mm	1,000 mm	1,000 mm	1,000 mm	
	Thickness	3 mm	4 mm	5 mm	6 mm	
	Colour	red	red	red	red	
	Article number	616T61=3	616T61=4	616T61=5	616T61=6	
	Length	2,000 mm	2,000 mm	2,000 mm	2,000 mm	
	Width	1,000 mm	1,000 mm	1,000 mm	1,000 mm	
	Thickness	3 mm	4 mm	5 mm	6 mm	
	Colour	yellow	yellow	yellow	yellow	

Plastazote® is a registered trademark of Zotefoams.

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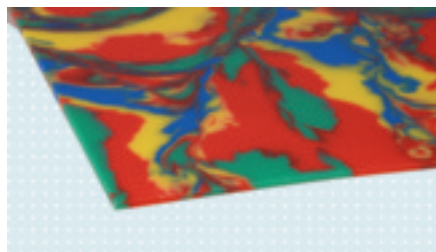
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646F265=GB

646D300=GB

ThermoLyn RCH 500

PE-HD 500

- + For fabricating orthoses, e.g. KAFOs and for seating shells
- + Application possible with 501A33 Joint Screws and 505L1 Joint Bolts as an overlapped joint with orthosis bushings.
- + Homogenous thermoplastic material
- + Medium molecular weight
- + High stiffness
- + Good heating properties
- + Good antifriction properties
- + Low shrinkage
- + Temperature recommendation: 195 °C (383 °F) (heating plate), 185 °C (365 °F) (convection oven, infrared oven)

Order example

Reference number	=	Length	x	Thickness	Colour
616T22	=	950	x	1	N



Reference number	616T22	616T22
Length	950 mm	1,910 mm
Width	910 mm	910 mm
Thickness	1 mm, 2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	1 mm, 2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm
Colour	Natural colour (N)	Natural colour (N)



Reference number	616T22	616T22
Length	950 mm	1,910 mm
Width	910 mm	910 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm	2 mm, 3 mm, 4 mm, 5 mm, 7 mm
Colour	Skin colour (H)	Skin colour (H)



Reference number	616T22
Length	1,910 mm
Width	910 mm
Thickness	3 mm, 4 mm, 5 mm
Colour	Graffiti (G)

Other thicknesses are available upon request!

ThermoLyn RCH 500

PE-HD 500

- + For fabricating orthoses, e.g. KAFOs and for seating shells
- + Application possible with 501A33 Joint Screws and 505L1 Joint Bolts as an overlapped joint with orthosis bushings.
- + Homogenous thermoplastic material
- + Medium molecular weight
- + High stiffness
- + Good heating behaviour
- + Good antifriction properties
- + Minor shrinkage
- + Temperature recommendation: 195 °C (383 °F) (hotplate), 185 °C (365 °F) (convection oven, infrared oven)



 646F265=GB

 646D300=GB

Order example

Reference number = Length x Thickness

616T44 = 950 x 2



Reference number	616T44
Length	950 mm, 1,910 mm
Width	910 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm
Colour	blue



Reference number	616T43
Length	950 mm, 1,910 mm
Width	910 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm
Colour	red

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646F265=GB



646D300=GB

ThermoLyn RCH 1000

PE-HD 1000

- + Stiffening insole for inner shoes
- + High-strength material
- + High molecular weight
- + High toughness
- + High abrasion resistance
- + Can be reshaped in a cold state
- + Temperature recommendation: 215 °C (419 °F) (heating plate), 195 °C (383 °F) (convection oven, infrared oven)

Order example

Reference number = Length x Thickness

616T16 = 950 x 2

Reference number	616T16
Length	950 mm, 1,910 mm
Width	910 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm
Colour	skin colour

Other thicknesses are available upon request.



Practical recommendation:

- The shaping process is facilitated when vacuum-forming devices with rubber membranes are used. Vacuum-forming devices are listed in the "Planning and Equipping" catalogue (646K10=D).

Thermoprepregs PE/PP

- + For partial reinforcement in fabricating dorsiflexion-assist orthoses, knee orthoses, leg orthoses (also as test orthoses made of PP), spinal orthoses and wrist orthoses
- + Glass fibre reinforced thermoplastic profile
- + In combination with the appropriate thermoplastic sheets, this profile can be incorporated into an orthosis in a single process step
- + Partial reinforcement can be adapted to the respective orthosis in both position and direction
- + Component distortion can be counteracted



647H468

Application example



Prior to vacuum forming, pull stockinettes such as 81A1 Nylon Sock or 623T3 Perlon Stockinette over the plaster model. Cut 617R11=PE/PP Thermoprepeg and thermoplastic material to the required size and place into the pre-heated oven until appropriately heated for the vacuum forming process (e.g. ThermoLyn PP-H becomes transparent).

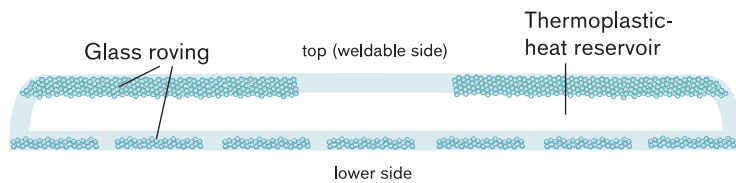


Remove the tailored thermoprepeg sheeting from the oven and place it on the model in the required position. While doing so, keep the oven door closed to prevent the tailored thermoplastic sheeting from cooling.



Immediately after shaping the thermoprepeg, vacuum form the thermoplastic sheeting over it.

Illustration showing cross section of the thermoplastic prepreg:



Article number	617R11=PE	617R11=PP
To be used for	PE	PP / PP-C
Length	1,200 mm	1,200 mm
Width	20 mm	20 mm
Height	3 mm	3 mm

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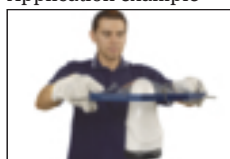
-  646F265=GB  646D300=GB
- 646S1=13.06GB 646D119=GB
-  646T4=1.0GB

ThermoLyn PETG clear

Now also available with antibacterial features (616T483)!

- + For all liner fittings with/without distal connection
- + Used as the first layer in definitive sockets, e.g. for Harmony fittings
- + For transfemoral fittings with/without liners
- + Highly transparent
- + Break resistant
- + High impact strength
- + After the check socket has been transferred, the plaster requires no drying
- + Moist plaster requires no isolation for laminating
- + PETG replaces the inside sheeting
- + Very smooth inner surface
- + Makes donning easier and increases the service life of the liner/soft socket/sealing sleeve
- + Temperature recommendation: 170 °C (338 °F) (convection oven), 160 °C (320 °F)(infrared oven)

Application example



Infrared oven

(e.g. 701E20) Preheat to 160°C/320°F:

a) For residual limb length up to 21 cm:

Clamp the 3 mm PETG into the smaller 755X84=260x8 frame (diameter 260) in combination with 755T4=360 and heat up for 2:45 min

b) For residual limb length upwards from 21 cm:

Clamp the 5 mm PETG into the 755T4 =360 vacuum forming insert (diameter 360) and heat up for 4:10 min



Convection oven

(e.g. 701E7) Preheat to 170°C/338°F:

a) For residual limb length up to 21 cm:

Clamp the 3 mm PETG into the small 755X84=260x8 frame (diameter 260) in combination with 755T4=360 and heat for 12 min

b) For residual limb length upwards from 21 cm:

Clamp the 5 mm PETG into the small 755T4 =360 vacuum forming insert (diameter 360) and heat up for 13 min



Select as small a vacuum forming plate as possible

We recommend that you use the following equipment:

755X104=180 Vacuum Pipe with Sealing Disc (diameter 180)

or

755X104=260 Vacuum Pipe with Sealing Disc (diameter 260)

Remove the PETG sheet from the oven very quickly and vacuum form it immediately with high vacuum (if required, shape undercuts with hot air gun, e.g. 756E9).

Auxiliary devices:

755E9 Vacuum Pump

641H13 Temperature-Resistant Glove

Article number	616T183=3	616T183=5
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	3 mm	5 mm
Colour	clear	clear



Practical recommendation:

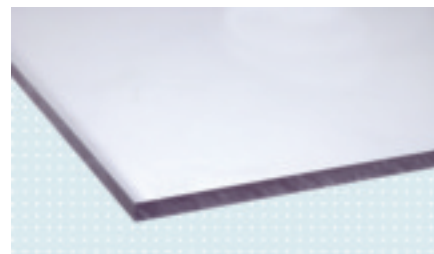
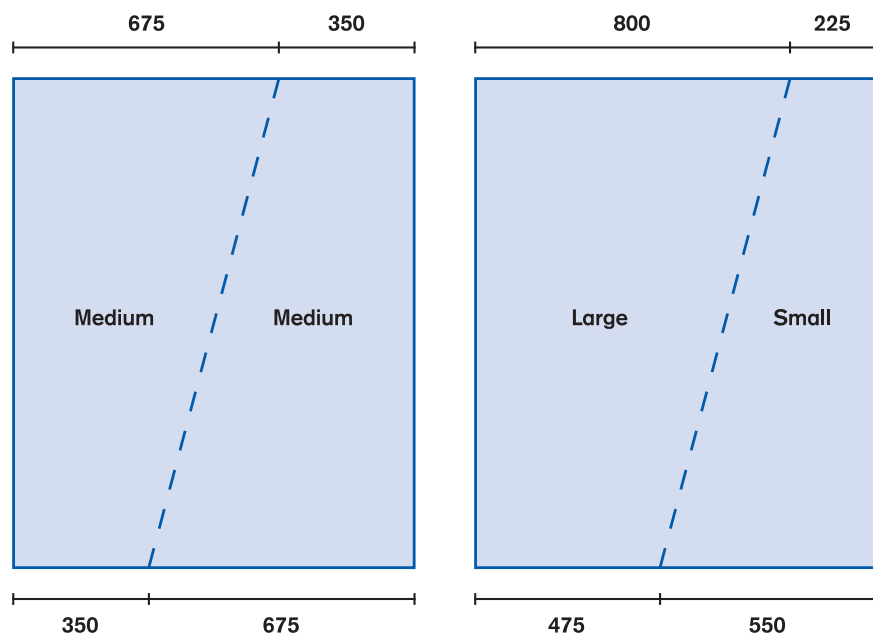
- Coat the model with 633F23=1 Silicone Grease
- For working edges we recommend hot air or 634A80 SuperSkin Cleaning Agent

ThermoLyn clear

Now also available with antibacterial features (616T283)!

- + For fabricating scar compression masks, trial orthoses and self-supporting check sockets (for temporary use)
- + Transparency of the check socket facilitates precise verification of the fit and skin discolouration on the residual limb
- + Good fracture resistance
- + Very high impact strength
- + High dimensional stability
- + Can be over-laminated to secure adapters
- + Minor shrinkage
- + Temperature recommendation: 165°C/329°F (hotplate, convection oven, infrared oven)

Cutting suggestion 616T83 ThermoLyn clear 6 mm (1250 x 1025 mm sheet) for low waste with trial orthoses (KAFOs):



646F265=GB



646D300=GB
646D119=GB

Order example

Reference number = Length x Width x Thickness

616T83 = 1250 x 1025 x 3

Reference number	616T83	616T83
For the fabrication of	Scar compression masks	Trial orthoses
Length	1,250 mm	1,250 mm
Width	1,025 mm	1,025 mm
Thickness	3 mm, 4 mm	6 mm
Colour	clear	clear



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Order example

Reference number = Thickness

616T83 = 8

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Reference number	616T83	616T83
For the fabrication of	Trial orthoses	Self-supporting check sockets (for temporary use)
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	8 mm	10 mm, 12 mm, 15 mm, 20 mm
Colour	clear	clear

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Practical recommendation:

- For working edges we recommend hot air or 634A80 SuperSkin Cleaning Agent

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ThermoLyn rigid

Now also available with antibacterial features (616T252)!

- + Suitable for the fabrication of self-supporting TT, TF and HD check sockets (for temporary use)
- + The proven, classic material for fabricating check sockets!
- + Transparency of the check socket facilitates precise verification of the fit and skin discolouration on the residual limb
- + High stiffness
- + Good fracture resistance
- + High thermoplastic dimensional stability
- + High resistance to the formation of stress cracks
- + Extremely high impact strength
- + Can be over-laminated to secure adapters
- + Minor shrinkage
- + Temperature recommendation: 170°C/338°F (convection oven, infrared oven)

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Order example

Reference number = Thickness

616T52 = 8

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646F265=GB 646D300=GB
646D119=GB

Reference number	616T52
For the fabrication of	Self-supporting check sockets (for temporary use)
Length	400 mm
Width	400 mm
Thickness	8 mm, 10 mm, 12 mm, 15 mm
Colour	colourless

10

11



Practical recommendation:

- To work edges we recommend hot air or 634A1 Thinner and Solvent.

12

ThermoLyn Europlex

Polyamide

- + For shape-retaining components, insoles and supports for spinal orthoses
- + High impact strength
- + Temperature recommendation: 135 °C (275 °F) (convection oven, infrared oven)

Article number	616T70=2	616T70=3	616T70=4
Length	2,050 mm	2,050 mm	2,050 mm
Width	1,200 mm	1,200 mm	1,200 mm
Thickness	2 mm	3 mm	4 mm



646F265=GB



646D300=GB



Practical recommendation:

- A forming temperature of 135°C/275°F must be strictly maintained, since the plastic becomes milky and difficult to thermoform in response to excessive heating.

ThermoLyn flexible

lonomer

- + For fabricating flexible inner sockets for lower limb prostheses
- + The proven classic material for frame sockets!
- + Flexibility is enhanced by body temperature
- + Insensitive to cold and damp plaster models
- + High surface quality
- + High dimensional stability
- + Comfortable to wear
- + Washable
- + Low shrinkage
- + Temperature recommendation: 165 °C (329 °F) (convection oven, infrared oven)



646F265=GB



646D300=GB

Order example

Reference number = Thickness

5Z3 = 4.7

Reference number	5Z3
Length	400 mm
Width	400 mm
Thickness	4.7 mm, 6.3 mm, 8.5 mm, 11.5 mm
Colour	clear

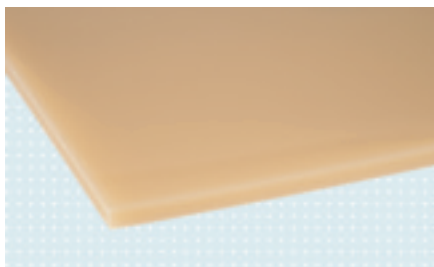
Reference number	616T39
Length	1,200 mm
Width	800 mm
Thickness	4.7 mm, 6.3 mm, 8.5 mm, 11.5 mm
Colour	clear



Practical recommendation:

- 633D5 Double Sided Adhesive Tape can be used to fasten the flexible definitive inner socket within the container socket.

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ThermoLyn soft (EVA), Skin Colour

Now also available with antibacterial features (616T269)!

- + Suitable for fabricating flexible prosthetic sockets for upper limb prostheses
- + High flexibility in the area of the socket edges
- + High surface quality
- + Can be subsequently thermoformed
- + Comfortable to wear
- + Washable
- + Temperature recommendation: 160 °C (320 °F) (convection oven, infrared oven)

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Order example

Reference number = Thickness

616T69 = 6

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Reference number	616T69
Length	400 mm
Width	400 mm
Thickness	6 mm, 8 mm, 10 mm, 12 mm
Colour	skin colour

646F265=GB

646D300=GB
646D119=GB

5



Practical recommendation:

- We recommend using the 503F3 Socket Screw with Allen head in combination with the 29C3 or 29C5 Setting Nut
- 633D5 Double Sided Adhesive Tape can be used to fasten the flexible definitive inner socket within the container socket.

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ThermoLyn soft (EVA), Colourless

Now also available with antibacterial features (616T253)!

- + Suitable for fabricating flexible inner prosthetic sockets for lower limb prostheses
- + High flexibility
- + High surface quality
- + Can be subsequently thermoformed
- + Comfortable to wear
- + Washable
- + Temperature recommendation: 160 °C (320 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

616T53 = 8



Reference number	616T53
Length	400 mm
Width	400 mm
Thickness	8 mm, 10 mm, 12 mm, 15 mm
Colour	colourless



646F265=GB 646D300=GB
646D119=GB



Practical recommendation:

- 633D5 Double Sided Adhesive Tape can be used to fasten the flexible definitive inner socket within the container socket.

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646F265=GB 646D300=GB

ThermoLyn supra soft

EVA

- + For fabricating highly flexible transfemoral soft-walled inner sockets
- Very high flexibility
- + Facilitates the fabrication of more comfortable socket edges
- + High surface quality
- + Comfortable to wear
- + Washable
- + Temperature recommendation: 155 °C (311 °F) (convection oven, infrared oven)

Article number	616T59=10	616T59=12	616T59=15
Length	400 mm	400 mm	400 mm
Width	400 mm	400 mm	400 mm
Thickness	10 mm	12 mm	15 mm
Colour	colourless	colourless	colourless

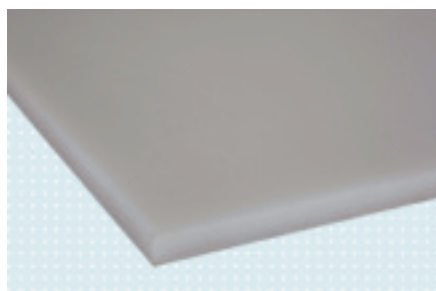
6



Practical recommendation:

- 633D5 Double Sided Adhesive Tape can be used to fasten the flexible definitive inner socket within the container socket.

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646F265=GB 646D300=GB

ThermoLyn supra soft plus Silicone

EVA with silicone

- + For fabricating highly flexible transfemoral soft-walled inner sockets
- + EVA with silicone
- + Very high flexibility
- + Facilitates the fabrication of more comfortable socket edges
- + High surface quality
- + Comfortable to wear
- + Easy to sand
- + Washable
- + Temperature recommendation: 150 °C (302 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

616T111 = 9

Article number	616T111=9	616T111=12
Length	400 mm	400 mm
Width	400 mm	400 mm
Thickness	9 mm	12 mm
Colour	colourless	colourless

12

Double-Sided Adhesive Tape

- + For adhering e.g. inner socket to outer frame
- + Not suitable for reinforcement materials
- + Base material: PE sheeting
- + Double sided acrylic adhesive mass
- + Transparent (covered with red parting sheeting)
- + Good frame fixation (Hook-and-loop closure not required)
- + High adhesive strength on various materials, e.g. plastics
- + Good temperature resistance



Application example



Use 634A58 Isopropyl Alcohol to clean the surfaces that are to be bonded (here the inner socket and the frame). Cut 633D5 Double Sided Adhesive Tape to the required length.



Place the tailored adhesive tape strips on the corresponding surfaces and press them on.



Join and position the frame and inner socket. Press the inner socket together and remove the red protective film from the double sided adhesive tape. Now firmly press both components together at the points to be bonded.

Article number	633D5=9	633D5=19	633D5=50
Length	50 m	50 m	50 m
Width	9 mm	19 mm	50 mm
Colour	transparent	transparent	transparent
Order by	1 roll	1 roll	1 roll

Plaster Parting Agent

- + For isolating plaster from plaster
- + For isolating plaster from thermoplastics



Application example



Immerse the stockinette directly in 85F1 Plaster Parting Agent and allow to soak, or fill 85F1 Plaster Parting Agent into a 642B2 Measuring Cup and immerse stockinette.



When the stockinette is impregnated with Plaster Parting Agent, remove it from the flask or measuring cup and pull it directly over the model.



Immediately before vacuum forming, impregnate the stockinette with Plaster Parting Agent again and rub the agent in.

Article number	85F1
Net contents	1 l

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Residual Limb Sock

- + For taking plaster casts, e.g. for KAFOs
- + Suitable as a filtering bag for vacuum forming
- + Polyamide
- + Pre-impregnated

Application example



Pre-tension the 99B25 Residual Limb Sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam.



Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.



With the welded seam turned inwards, pull the sock over the model.

Article number	99B25
Length	approx. 50 cm
Order by	Package of 10



Practical recommendation:

- Can be individually shortened and welded

Nylon Sock

- + For taking plaster casts, e.g. for KAFOs
- + Suitable as a filter and final layer for lamination work
- + For reinforcing Pastasil
- + For vacuum technology with Chlorosil
- + Polyamide
- + Especially elastic
- + Not pre-impregnated



Application example



Application example – vacuum forming in orthotics:
Pull 81A1 Nylon Sock over the plaster model, shorten to twice the model size, twist off and fold back again.



Application example – vacuum forming in prosthetics:
Pre-tension the 81B1 Nylon Sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam. Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.



With the welded seam turned inwards, pull the sock over the model.



 646D453=EN

Article number	81A1=8	81A1=10	81A1=12	81A1=15	81A1=20
Length	101.5 m	84.6 m	67.8 m	52.5 m	48 m
Width	8 cm	10 cm	12 cm	15 cm	20 cm
Weight	1 kg	1 kg	1 kg	1 kg	1 kg



Practical recommendation:

- Individually adaptable and weldable

Transpad

- + For fabricating brackets for silicone technology
- + For orthoses and mask fixing systems
- + Transparent
- + Flexible



Article number	83T4
Length	1 m
Width	1 m
Thickness	1.5 mm

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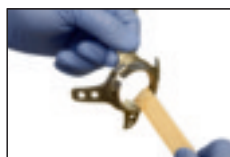
Silicone Grease 400, medium

- + Corrosion protection for plug connections, e.g. Myo, E-MAG Active (cable plug)
- + Corrosion protection, e.g. for drive units
- + For the planetary gear set of the drive unit in the area of the upper limbs
- + For isolating components with lamination technique
- + Very good resistance to heat and cold
- + High resistance to ageing
- + Good film-forming ability

Application example



Apply a pea-sized amount of 633F11 Silicone Grease to the 699Y3 Wooden Spatula.



Prior to laminating, apply silicone grease to the objects that are to be isolated (e. g. thread of a screw, lamination dummy, adapter, orthotic joint). Attention: do not isolate those areas that are to create a bond with the lamination resin.



Before laminating, carefully clean the bonded objects with 634A58 Isopropyl Alcohol.

Article number	633F11
Net contents	0.1 kg
Packaging	Tube



Silicone Grease

Improved formulation

- + Ideal gliding layer for vacuum forming on all plaster models (also possible without sock)
- + Simplifies the fabrication of consistent wall thicknesses
- + Thixotrope
- + Air permeable
- + Non-hardening

Application example



Take an amount of 633F23 Silicone Grease adequate for the model and apply it evenly and thinly to the model.

Article number	633F50=1	633F50=10
Net contents	1 kg	10 kg

Silicone Parting Agent

- + For parting, gliding and lubricating
- + Protects rubber, plastic and elastomers from becoming brittle
- + Compact and solvent-free
- + CFC-free

Article number	519L5
Net contents	0.4 l



Trial Sheeting

- + For fabricating transparent trial shoes for diabetic feet
- + Hard vacuum-forming sheeting
- + Thermoformable at 175°C/347°F

Article number	616T7=600x450x1.2	616T7=600x450x2.0
Material properties	Hard	Hard
Length	600 mm	600 mm
Width	450 mm	450 mm
Thickness	1.2 mm	2 mm
Colour	clear	clear



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Lamination Technology



Duroplastics have been used in orthopaedics technology for years. For example, lamination resins feature high strength with low weight and dimensional stability with low wall thickness. An example representative of many other products is the innovative C-Orthocryl Sanitized® developed by Ottobock. This antibacterial lamination resin was developed especially for carbon fibre technology and, in combination with our proven carbon fibre cloth, permits fittings of the highest quality.

Ottobock has stood by your side for over three decades in the field of reinforcement materials and lamination technology, dedicated to supporting your fitting responsibilities. For 30 years, the name Ottobock has stood for experience in the fibre-reinforced composites segment – 30 years of quality and expertise, 30 years of continuous development and research as well as service for our customers.

We are offering a selection of reinforcement materials and accessories that has been compiled with great diligence and is based on practical fitting experience. This product range rests on a solid foundation – our knowledge and experience from more than 30 years of application technology. From traditional stockinette to modern carbon and fibreglass materials for lamination to proven and innovative Ottobock lamination resins and our expanded prepreg selection, we offer everything from a single source.

HIGHLIGHTS

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5Z14 Reinforcement Kit

616G26=150-1 Polyester Knit Fabric

617H119 Orthocryl Lamination Resin 80:20 PRO

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- + For frames and container sockets, e.g. for ISNY sockets, M.A.S.® sockets, knee disarticulation sockets and ischial containment sockets
- + For distal residual limb cap: 4 naps of bidirectional carbon fibre cloth
- + For frame construction: 2 T-shaped pieces of carbon fibre webbing (3 layers) with reinforcing seams
- + For medial socket edge: 2 triangles of bidirectional carbon fibre cloth
- + For axial frame reinforcement: 1 profile bar, 1 woven carbon fibre stockinette
- + For radial frame reinforcement: 1 profile bar, 1 woven carbon fibre stockinette

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- + For reinforcing Orthocryl soft resins, Polytol sockets (e.g. flaps HD) and silicones
- + Stretchable in one direction
- + Stable in one direction
- + High resistance to tearing

- + Lamination resin for the fabrication of components with a low proportion of resin
- + Low viscosity with the same mechanical characteristics as 617H19
- + Better penetration of the reinforcement
- + Rapid evacuation of air from the reinforcement
- + Hardener/colour pastes are easier to mix

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)
M.A.S.® is a registered trademark of Marlo Ortiz.

Nylon Sock

- + For taking plaster casts, e.g. for KAFOs
- + Suitable as a filter and final layer for lamination work
- + For reinforcing Pastasil
- + For vacuum technology with Chlorosil
- + Polyamide
- + Especially elastic
- + Not pre-impregnated



Application example



Application example – vacuum forming in orthotics:
Pull 81A1 Nylon Sock over the plaster model, shorten to twice the model size, twist off and fold back again.



Application example – vacuum forming in prosthetics:
Pre-tension the 81B1 Nylon Sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam. Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.



With the welded seam turned inwards, pull the sock over the model.

 646D453=EN

Article number	81A1=8	81A1=10	81A1=12	81A1=15	81A1=20
Length	101.5 m	84.6 m	67.8 m	52.5 m	48 m
Width	8 cm	10 cm	12 cm	15 cm	20 cm
Weight	1 kg	1 kg	1 kg	1 kg	1 kg



Practical recommendation:

- Individually adaptable and weldable

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Perlon Stockinette, white

- + For fabricating laminates
- + Knitted fabric
- + Finely meshed
- + Good stretching properties
- + Good shaping
- + Smooth surface after laminating
- + Suitable for surfaces

2

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Article number	Length	Width	Weight
623T3=4	45.4 m	4 cm	0.5 kg
623T3=6	27.7 m	6 cm	0.5 kg
623T3=8	20.8 m	8 cm	0.5 kg
623T3=10	37 m	10 cm	1 kg
623T3=12	33.3 m	12 cm	1 kg
623T3=15	27 m	15 cm	1 kg
623T3=20	20 m	20 cm	1 kg
623T3=25	13.5 m	25 cm	1 kg
623T3=30	11.1 m	30 cm	1 kg
623T3=40	8.8 m	40 cm	1 kg

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646D453=EN

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Perlon Elastic Stockinette, white

- + For fabricating laminates
- + The proven classic material!
- + Knitted fabric
- + Finely meshed
- + Extremely good stretching properties for circumferential differences, e.g. KAFO
- + Good shaping
- + Smooth surface after laminating
- + Suitable for surfaces

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Article number	Length	Width	Weight
623T5=4	53 m	4 cm	0.5 kg
623T5=6	33.3 m	6 cm	0.5 kg
623T5=8	26.3 m	8 cm	0.5 kg
623T5=10	21.7 m	10 cm	0.5 kg
623T5=12	37 m	12 cm	1 kg
623T5=15	27 m	15 cm	1 kg
623T5=20	20 m	20 cm	1 kg
623T5=25	16.4 m	25 cm	1 kg
623T5=30	13.1 m	30 cm	1 kg

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646D453=EN

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All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

Nylon Frizz Stockinette, white

- + For fabricating laminates
- + For reinforcing soft sockets
- + Knitted fabric
- + Finely meshed
- + Good stretching properties
- + Additional bulk
- + Suitable for surfaces

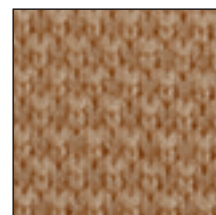


 646D453=EN

Article number	Length	Width	Weight
623T10=6	48 m	6 cm	0.5 kg
623T10=9	38.5 m	9 cm	0.5 kg
623T10=12	20.8 m	12 cm	0.5 kg
623T10=15	16 m	15 cm	0.5 kg
623T10=20	12 m	20 cm	0.5 kg

Nylon Frizz Stockinette, skin colour

- + For fabricating laminates
- + For reinforcing soft sockets
- + For a natural appearance, e.g. final layer in laminate
- + Knitted fabric
- + Finely meshed
- + Good stretching properties
- + Additional bulk
- + Suitable for surfaces



 646D453=EN

Article number	Length	Width	Weight
623T8=6	48.5 m	6 cm	0.5 kg
623T8=9	35.7 m	9 cm	0.5 kg
623T8=12	38.5 m	12 cm	1 kg
623T8=15	32 m	15 cm	1 kg

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

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Elastic Stockinette, white (filtering bag)

- + Especially well suited for viscous resins, e.g. Polytol
- + For silicone lamination
- + 100% polyamide
- + Knitted fabric
- + Finely meshed
- + High strength
- + Low tendency to wrinkle
- + Suitable for surfaces

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Article number	623T13=6	623T13=10	623T13=15
Length	50 m	77 m	43.5 m
Width	6 cm	10 cm	15 cm
Weight	0.5 kg	1 kg	1 kg

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646D453=EN

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Polyester Stockinette, white

- + For fabricating laminates
- + Knitted fabric
- + Finely meshed
- + High strength
- + Good stretching properties
- + Low tendency to wrinkle
- + Suitable for surfaces

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Article number	Length	Width	Weight
623T4=8	41 m	8 cm	0.5 kg
623T4=10	36 m	10 cm	1 kg
623T4=12	33 m	12 cm	1 kg
623T4=15	26 m	15 cm	1 kg
623T4=20	20 m	20 cm	1 kg
623T4=25	13 m	25 cm	1 kg
623T4=30	15 m	30 cm	1 kg

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646D453=EN

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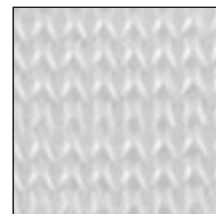
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All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

Nylglass Stockinette, white

- + For fabricating laminates
- + Blend of polyamide (35%) and fibreglass (65%)
- + Knitted fabric
- + Finely meshed
- + High strength
- + Low resin absorption combined with high stability



 646D453=EN

Article number	Length	Width	Weight
623T9=4	36.4 m	4 cm	0.5 kg
623T9=6	31.2 m	6 cm	0.5 kg
623T9=8	35.7 m	8 cm	1 kg
623T9=10	32.2 m	10 cm	1 kg
623T9=12	26.3 m	12 cm	1 kg
623T9=15	23.8 m	15 cm	1 kg
623T9=20	18 m	20 cm	1 kg
623T9=25	15.2 m	25 cm	1 kg
623T9=30	11.6 m	30 cm	1 kg

Nylglass Frizz Stockinette, white

- + For fabricating laminates
- + Blend of polyamide (35%) and fibreglass (65%)
- + Knitted fabric
- + Finely meshed
- + Extremely good stretching properties for circumferential differences, e.g. KAFO
- + Additional bulk



 646D453=EN

Article number	Length	Width	Weight
623T11=7	41.6 m	7 cm	1 kg
623T11=9	35.7 m	9 cm	1 kg
623T11=12	27 m	12 cm	1 kg
623T11=15	21.3 m	15 cm	1 kg
623T11=20	14.3 m	20 cm	1 kg

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)



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Fibreglass Stockinette

- + For fabricating thin-walled laminates
- + 100% textile glass yarn
- + Knitted fabric
- + Wide meshed
- + Highly elastic



 646D453=EN

Article number	Length	Width	Weight
616G3=6	28.5 m	6 cm	1 kg
616G3=8	17.2 m	8 cm	1 kg
616G3=10	15.6 m	10 cm	1 kg
616G3=12	12.5 m	12 cm	1 kg
616G3=15	9.3 m	15 cm	1 kg
616G3=20	7.2 m	20 cm	1 kg
616G3=25	5.2 m	25 cm	1 kg
616G3=30	4.8 m	30 cm	1 kg

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

Sample Set of Carbon Profile Bars

- + 3 carbon profile bars (0°, 45° und 90°)
- + The mechanical properties of the carbon fabric are dependent on the direction of application of a force. Under tensile load in the warp or weft direction, woven fabrics stretch only slightly. But if the tensile load is applied diagonally, e.g. at an angle of 45°, woven carbon fabrics are highly stretchable. The fibre direction should be adapted to the expected load.

Article number	646M39
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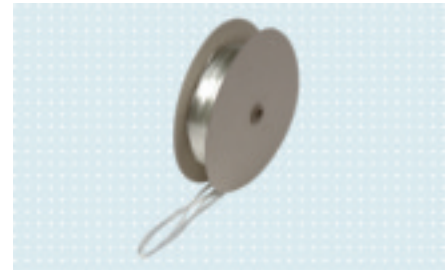


 646D453=EN

Fibreglass Roving

- + For reinforcement in lamination work
- + Unidirectional
- + Has high strength and rigidity in the longitudinal direction of the fibre

Article number	699E1
Length	200 m
Weight	0.5 kg



 646D453=EN



Practical recommendation:

- Suitable for fixating precision components such as adapters in the laminate, e.g. by sewing.

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

1



Carbon UD Stockinette

- + For axial reinforcement (bending forces) of thin-walled, high-strength laminates
- + Especially designed for use with acrylic resins (e.g. 617H55 C-Orthocryl)
- + The elastic weft thread allows the carbon threads to maintain their 0° orientation, regardless of the diameter
- + No elaborate cutting or forming work is necessary with formed models
- + The elastic weft thread facilitates forming the stockinette to the model and saves valuable working time
- + Not suitable for surfaces

2

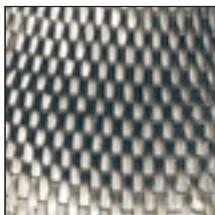
3



Article number	616G2=20x5	616G2=40x5	616G2=70x5	616G2=100x5	616G2=150x5
Length	5 m	5 m	5 m	5 m	5 m
Width	20 mm	40 mm	70 mm	100 mm	150 mm

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646S1=23.04GB 646D453=EN

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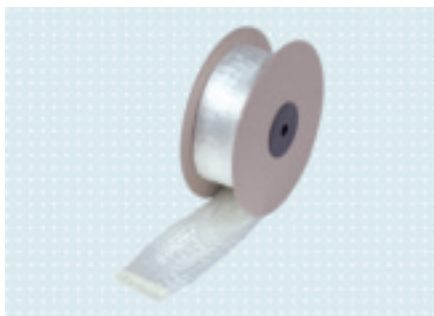


Practical recommendation:

- If the laminate is to have radial strength (torsional forces), additional reinforcement materials are required. In this case we recommend using our 616G15 Woven Carbon Fibre Stockinette.

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Woven Fibreglass Stockinette

- + For fabricating thin-walled laminates
- + Braiding
- + High torsional strength in laminates
- + Torsion can be influenced by different circumferences (ideal angle 45°)
- + Good draping characteristics

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646D453=EN

Article number	616G13=6	616G13=8	616G13=10
Length	12.5 m	8 m	7 m
Width	6 cm	8 cm	10 cm
Weight	1 kg	1 kg	1 kg

11

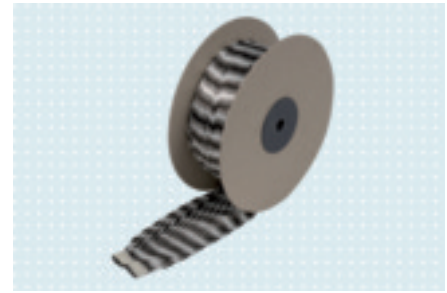
12

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

Woven Carbon Fibreglass Stockinette

- + For fabricating thin-walled laminates
- + Braiding
- + Combines the properties of carbon and fibreglass
- + Enhanced torsional strength in laminates
- + Torsion can be influenced by different circumferences (ideal angle 45°)

Article number	616G14=8	616G14=10
Length	11 m	10 m
Width	8 cm	10 cm
Weight	1 kg	1 kg



 646D453=EN

Woven Carbon Fibre Stockinette

- + For fabricating stiff lamination resin side struts, clasps and connectors
- + For fabricating thin-walled, high-strength laminates
- + Braiding
- + Very high torsional strength in laminates
- + Torsion can be influenced by different circumferences (ideal angle 45°)

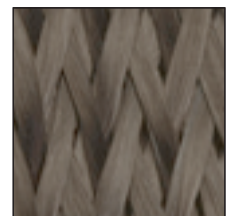
Order example

Reference number = Width x Length

616G15 = 20 x 5

Reference number	616G15			
Length	5 m, 10 m, 25 m, 50 m	5 m, 10 m, 25 m		
Width	20 mm	50 mm	80 mm	120 mm

 646D453=EN



Practical recommendation:

- Facilitates excellent sandwich properties in conjunction with 17Y106 PVC Profile as the core material, especially in prosthetics.

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

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Fibreglass Mat (Biegelow Mat)

- + For partial laminate reinforcements
- + Good absorption of all Ottobock lamination resins
- + Good draping characteristics

2

Article number	616G4
Width	950 mm
Weight per unit area	700 g/m ²
Bond type	Randomly Oriented Fibre

3

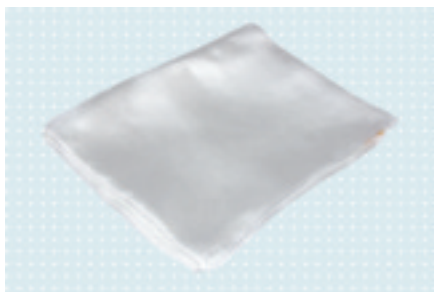


⦿ Please specify length when ordering

4

646D453=EN

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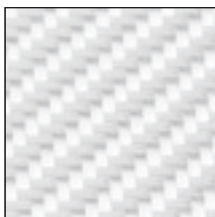
Fibreglass Cloth

- + For partial laminate reinforcements
- + Good absorption of all Ottobock lamination resins
- + High strength
- + Good draping characteristics

6

Article number	616G18=1	616G18=2	616G18=5	616G18=10
Length	1 m	2 m	5 m	10 m
Width	1,000 mm	1,000 mm	1,000 mm	1,000 mm
Weight per unit area	280 g/m ²	280 g/m ²	280 g/m ²	280 g/m ²
Bond type	Twill 2/2	Twill 2/2	Twill 2/2	Twill 2/2

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646D453=EN

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All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

Carbon Fibre Cloth

- + For partial high-strength laminate reinforcements
- + Good absorption of all Ottobock lamination resins
- + Good draping characteristics

Application example



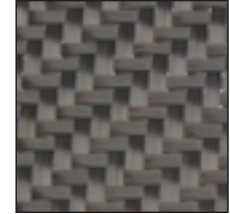
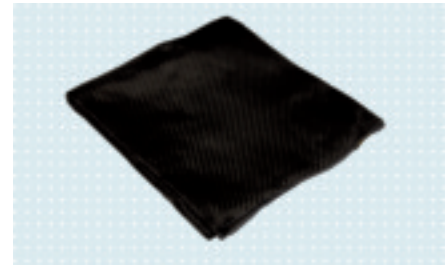
By pulling out a weft thread running close to the cut edge, check that the weft thread of the 616G12 Carbon Fibre Cloth is running a straight course.



Pull the carbon fibre cloth straight to such a degree that the resulting mesh loop runs 90° to the warp. Using 616F10 Double Sided PVC Adhesive Tape, tape over the resulting mesh loop and cut the carbon fibre cloth centrally along the adhesive tape. After these preparations have been completed, tailored carbon fibre sections can be made that have a 90° alignment between the warp and the weft. In this way the carbon fibres are not only aligned in accordance with the arising forces, they can also absorb these optimally.



Position the tailored carbon fibre sections on those parts of the reinforcements that are to be strengthened, and at the same time pre-tension them in the fibre directions.



646A230=GB
646D453=EN

Order example

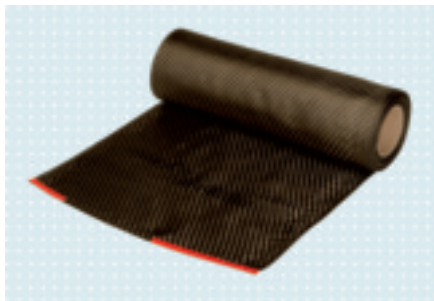
Reference number = Length

616G12 = 1

Reference number	616G12
Length	1 m, 2 m, 5 m, 10 m, 20 m, 30 m
Width	1,200 mm
Weight per unit area	200 g/m ²
Bond type	Twill 2/2

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

1



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Carbon Fibre Cloth

- + For partial high-strength laminate reinforcements
- + Processability including the woven edge is advantageous (edges are not sewn), because masking is not necessary
- + Good absorption of all Ottobock lamination resins
- + Good draping characteristics

3



646D453=EN

Application example



By pulling out a weft thread running close to the cut edge, check that the weft thread of the 616B17 Carbon Fibre Cloth is running a straight course.



Pull the carbon fibre cloth straight to such a degree that the resulting mesh loop runs 90° to the warp. Using 616F10 Double Sided PVC Adhesive Tape, tape over the resulting mesh loop and cut the carbon fibre cloth centrally along the adhesive tape. After these preparations have been completed, tailored carbon fibre sections can be made that have a 90° alignment between the warp and the weft. In this way the carbon fibres are not only aligned in accordance with the arising forces, they can also absorb these optimally.

4



Position the tailored carbon fibre sections on those parts of the reinforcements that are to be strengthened, and at the same time pre-tension them in the fibre directions.

5

Order example

Reference number = Width x Length
616B17 = 50 x 1

Reference number	616B17
Length	1 m, 5 m, 10 m
Width	50 mm, 100 mm, 300 mm
Weight per unit area	245 g/m ²
Bond type	Twill 2/2

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All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

Fibreglass Webbing

- + For partial bidirectional laminate reinforcements (bar)
- + Good absorption of all Ottobock lamination resins
- + High strength
- + Good draping characteristics
- + Not suitable for surfaces

Article number	699B2
Length	25 m
Width	20 mm
Weight per unit area	850 g/m ²
Bond type	Linen



 646D453=EN

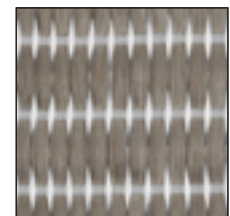
Carbon-Fibreglass Webbing


- + For partial high-strength, unidirectional laminate reinforcements
- + Combines properties of carbon fibre in longitudinal direction and glass fibres in transverse direction
- + Easy to shape thanks to glass weft thread
- + Good draping characteristics
- + Not suitable for surfaces

Order example

Reference number	=	Width	x	Length
616B2	=	25	x	5

Reference number	616B2
Length	5 m, 10 m, 20 m, 50 m
Width	25 mm, 50 mm
Weight per unit area	410 g/m ²
Bond type	Plain weave



 646A230=GB
646D453=EN

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

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Carbon Fibre Webbing

- + For partial high-strength, unidirectional laminate reinforcements
- + Large selection of different widths
- + Good absorption of all Ottobock lamination resins
- + Not suitable for surfaces

3




Order example

Reference number	=	Width	x	Length
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616B1	=	19	x	5
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4

 646A230=GB
646D453=EN

Reference number	616B1
Length	5 m, 10 m, 20 m, 50 m
Width	19 mm, 25 mm, 50 mm, 75 mm, 100 mm
Weight per unit area	390 g/m ²
Bond type	Linen

5



PVC Profile Bars

- + As profile material in carbon fibre technique, especially in orthotics and for frame sockets in prosthetics
- + Lightweight
- + Easy to work with
- + Thermoformable at 80 °C (176 °F)

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Order example

Reference number	=	Length	x	Width
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17Y106	=	500	x	16
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Reference number	17Y106
Length	500 mm, 1,000 mm
Width	16 mm, 20 mm

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Reinforcement Kit

- + For frames and container sockets, e.g. for ISNY sockets, M.A.S.[®] sockets, knee disarticulation sockets and ischial containment sockets
- + For distal residual limb cap: 4 naps of bidirectional carbon fibre cloth
- + For frame construction: 2 T-shaped pieces of carbon fibre webbing (3 layers) with reinforcing seams
- + For medial socket edge: 2 triangles of bidirectional carbon fibre cloth
- + For axial frame reinforcement: 1 profile bar, 1 woven carbon fibre stockinette
- + For radial frame reinforcement: 1 profile bar, 1 woven carbon fibre stockinette

10

 646D453=EN

Article number	5Z14
Weight	0.466 kg

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All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)
M.A.S.[®] is a registered trademark of Marlo Ortiz.

Dacron® Felt

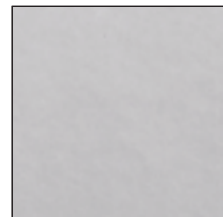
- + For filling reinforcements, for swells, tubercle seats, etc.
- + Good bleeding properties when laminating
- + Good absorption of all Ottobock lamination resins
- + Sewable
- + Smooth surface after laminating
- + Suitable for surfaces

Order example

Reference number = 1 x Length

616G6 = 1 x 1

Reference number	616G6
Length	1 m, 2 m, 5 m, 10 m, 20 m, 30 m, 50 m
Width	930 mm
Thickness (dry)	3 mm



 646D453=EN

Polyester Knit Fabric

- + For reinforcing Orthocryl soft resins, Polytol sockets (e.g. flaps HD) and silicones
- + Stretchable in one direction
- + Stable in one direction
- + High resistance to tearing

Article number	616G26=150-1
Length	1,100 mm
Width	1,500 mm



 646D453=EN

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)
 Dacron® is a registered trademark of DuPont.

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646A230=GB

Pedilen Duplicating Foam

- + Two-component plastic which is outstanding for making quick prosthetic socket duplications
- + It also copies undercuts precisely and can be easily removed
- + Further modifications possible, e.g., can be sanded or 636K17 Otto Bock Lightweight Putty can be applied
- + Sensitive to moisture

Article number	617H37=0.865	617H37=4.600	617H37=9.320
Net contents	0.865 kg	4.6 kg	9.32 kg



Practical recommendation:

- Immediately after the Pedilen Duplicating Foam has hardened and cooled, fold out the cast with a stable layer of plaster. Let this layer harden and fill the model with plaster.



Pedilen Rigid Foam 100

- + For fabricating rehabilitation seating systems and for compensating forms
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 0.63 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture

Article number	617H11=0.865	617H11=2.300	617H11=4.600	617H11=9.320
Net contents	0.865 kg	2.3 kg	4.6 kg	9.32 kg
Expansion factor	12.5	12.5	12.5	12.5
Weight per unit volume	approx. 100 kg/m ³	approx. 100 kg/m ³	approx. 100 kg/m ³	approx. 100 kg/m ³

	617H11 Rigid Foam 100	:	617P21 Hardener 100
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Pedilen Rigid Foam 200

- + For cosmetically compensating forms in prosthetics and orthotics
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 2.5 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture



Article number	617H12=0.865	617H12=2.300	617H12=4.600	617H12=9.320
Net contents	0.865 kg	2.3 kg	4.6 kg	9.32 kg
Expansion factor	6.5	6.5	6.5	6.5
Weight per unit volume	approx. 200 kg/m ³	approx. 200 kg/m ³	approx. 200 kg/m ³	approx. 200 kg/m ³

	617H12 Rigid Foam 100	:	617P21 Hardener 100
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Practical recommendation:

- Shake well for 30 seconds before using

Pedilen Rigid Foam 300

- + For heavy duty compensations of forms and shortening in prosthetics and orthotics
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 5.26 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture



Article number	617H32=0.865	617H32=2.300	617H32=4.600	617H32=9.320
Net contents	0.865 kg	2.3 kg	4.6 kg	9.32 kg
Expansion factor	4.5	4.5	4.5	4.5
Weight per unit volume	approx. 300 kg/m ³	approx. 300 kg/m ³	approx. 300 kg/m ³	approx. 300 kg/m ³

	617H32 Rigid Foam 100	:	617P21 Hardener 100
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Practical recommendation:

- Shake well for 30 seconds before using

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Pedilen Rigid Foam 450

- + For heavily strained prostheses and shoe lasts
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 8.30 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture

Article number	617H48=0.865	617H48=4.600	617H48=9.320
Net contents	0.865 kg	4.6 kg	9.32 kg
Expansion factor	2.2	2.2	2.2
Weight per unit volume	approx. 450 kg/m ³	approx. 450 kg/m ³	approx. 450 kg/m ³

	617H48 Rigid Foam 100	:	617P21 Hardener 100
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Practical recommendation:

- Shake well for 30 seconds before using



Pedilen Rigid Foam 600

- + For very heavily strained prostheses and shoe lasts
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 10.20 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture

Article number	617H61=4.600	617H61=9.320
Net contents	4.6 kg	9.32 kg
Expansion factor	1.9	1.9
Weight per unit volume	approx. 600 kg/m ³	approx. 600 kg/m ³

	617H61 Rigid Foam 100	:	617P21 Hardener 100
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Practical recommendation:

- Shake well for 30 seconds before using

Pedilen Rigid Foam 700

- + For fabricating compensations for shortenings and shoe lasts
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 12.50 N/mm²
- + Screw and nail-resistant
- + Temperature stable
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture
- + Attention: the mixing ratio is 100 (617H41 Rigid Foam):70 (617P21 Hardener)



Article number	617H41=0.865	617H41=4.600	617H41=9.320
Net contents	0.865 kg	4.6 kg	9.32 kg
Expansion factor	1.7	1.7	1.7
Weight per unit volume	approx. 700 kg/m ³	approx. 700 kg/m ³	approx. 700 kg/m ³

	617H41 Rigid Foam 100	:	617P21 Hardener 70
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Practical recommendation:

- Shake well for 30 seconds before using

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Hardener for Pedilen Rigid Foams

- + Hardener for all Pedilen rigid foams and Pedilen duplicating foams
- + Hardener has no influence on the swelling factor, foam determines swelling factor

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Article number	617P21=0.865	617P21=2.300	617P21=4.600	617P21=9.320
Net contents	0.865 kg	2.3 kg	4.6 kg	9.32 kg

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For residual limb lengths of 20 cm and residual limb circumferences (centre) of 20 cm

	617H37 Duplicating Foam 100	:	617P21 Hardener 40
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See the table below for further mixing ratios.
(Duplicating Foam:Hardener; quantities in g)

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		Circumference of residual limb (centre)				
		20 cm	30 cm	40 cm	50 cm	60 cm
Length of Residual limb	10 cm	50:20	100:40	150:60	200:80	200:80
	20 cm	100:40	150:60	200:80	300:120	400:80
	30 cm	100:40	200:80	250:100	350:140	400:160
	40 cm	150:60	200:80	350:140	400:160	500:200

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Practical recommendation:

- Shake well for 30 seconds before using
- To achieve the exact mixing ratio, we recommend using a 642B2 Measuring Cup.

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Pedilen Flexible Foam 150

- + For making flexible cosmetic body compensations
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 0.02 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture

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Article number	617H35=0.865	617H35=4.600
Net contents	0.865 kg	4.6 kg
Expansion factor	7.1	7.1
Weight per unit volume	approx. 150 kg/m ³	approx. 150 kg/m ³

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	617H35 Flexible Foam 100	:	617P32 Hardener 50
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Practical recommendation:


- Shake well for 30 seconds before using
- Well suited for glueing with 636W71 CP Contact Adhesive

Pedilen Flexible Foam 300

- + For fabricating flexible body compensations, with higher mechanical strength, e.g. for partial hand replacement
- + Fast and safe processing with hand mixing procedure
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 0.08 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture



Article number	617H42=0.865	617H42=4.600
Net contents	0.865 kg	4.6 kg
Expansion factor	4.7	4.7
Weight per unit volume	approx. 300 kg/m ³	approx. 300 kg/m ³

	617H42 Flexible Foam 100	:	617P32 Hardener 50
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Practical recommendation:

- Shake well for 30 seconds before using
- Well suited for glueing with 636W71 CP Contact Adhesive

Hardener for Pedilen Flexible Foams

- + Hardener for 617H35 Pedilen Flexible Foam 150 and for 617H42 Pedilen Flexible Foam 300
- + Hardener has no influence on the swelling factor, foam determines swelling factor



Article number	617P32=0.865
Net contents	0.865 kg



Practical recommendation:

- Shake well for 30 seconds before using
- Mixing ratio for hardener: A-component varies. To achieve the exact mixing ratio, we recommend using a 642B2 Measuring Cup.

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Flexible Foam, Component A

- + For producing two-component polyurethane foams
- + For customised orthopaedic precision parts
- + Fast and safe processing with hand mixing procedure
- + Low weight
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 0.01 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture



Article number	617D50	617D50=9.320
Net contents	0.865 kg	9.32 kg
Expansion factor	10	10
Weight per unit volume	approx. 120 kg/m ³	approx. 120 kg/m ³

 617D50 Component A 100	:	617D51 Component B 40
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Practical recommendation:

- Shake well for 30 seconds before using
- Well suited for glueing with 636W71 CP Contact Adhesive



Flexible Foam, Component B

- + For producing two-component polyurethane foams
- + For customised orthopaedic precision parts
- + Fast and safe processing with hand mixing procedure
- + Low weight
- + Precise duplication
- + Penetration hardness (for 10% linear compression): approx. 0.01 N/mm²
- + No shrinkage
- + Easy to refinish in the cured condition, e.g. sanding, lamination
- + Sensitive to moisture



Article number	617D51	617D51=4.600
Net contents	0.865 kg	4.6 kg
Expansion factor	10	10
Weight per unit volume	approx. 120 kg/m ³	approx. 120 kg/m ³

 617D50 Component A 100	:	617D51 Component B 40
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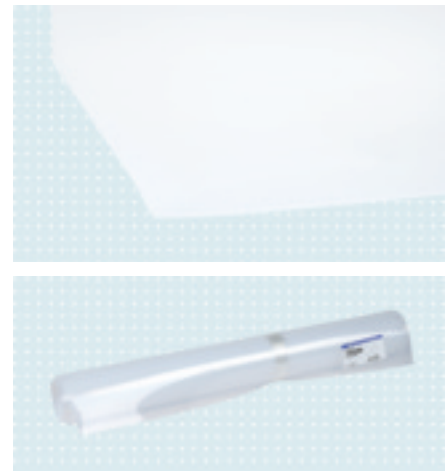
Practical recommendation:

- Shake well for 30 seconds before using
- Well suited for glueing with 636W71 CP Contact Adhesive

ThermoLyn Trolene

PE-LD

- + Used as a forming and parting material
- + For orthotic components that require little stiffness but high flexibility
- + For fabricating flaps in socket technology
- + Individually cut to size, it can be used as a device for filling work
- + Reusable and easy to clean due to its smooth surface
- + Flexible polyethylene
- + Opaque
- + Good transparency
- + Low molecular weight
- + Good thermoplastic formability
- + High flexibility
- + Temperature recommendation: processing temperature 125°C/257°F (heating plate, convection oven, infrared oven)



646F265=GB 646D300=GB

Article number	616T3=1	616T3=2	616T3=2000x1000x2	616T3=2000x1000x3	616T3=40x32x2
Length	1,000 mm	1,000 mm	2,000 mm	2,000 mm	40 mm
Width	500 mm	500 mm	1,000 mm	1,000 mm	32 mm
Thickness	1 mm	2 mm	2 mm	3 mm	2 mm
Colour	natural colour	natural colour	natural colour	natural colour	natural colour



Practical recommendation:

- Can also be used as a dummy material, e.g. with lamination technology.

Measuring Cup

- + Polypropylene measuring cup
- + Facilitates a precise mixing ratio
- + Scale for the following Ottobock materials: Pedilen foams, Pedilen hardener, Orthocryl resins, silicone
- + Custom sizes available
- + Reusable



646A230=GB

Order example

Reference number = Volume

642B2 = 50

Reference number	642B2
Volume	50 g, 100 g, 200 g, 400 g, 1,000 g
Order by	100 pcs.



Practical recommendation:

- Since foams and hardeners have different densities, a precise 1 to 1 mixing ratio is required. We recommend using a measuring cup to ensure this mixing ratio.
- Add slightly more than the required amount of liquid foam, since a small amount often remains in the measuring cup.

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Wooden Spatula

- + Versatile measuring tool
- + mm and inch markings
- + Rectangular form facilitates thorough mixing in the bottom and edge areas, for example with lamination resins

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Article number	699Y3
Length	270 mm
Width	18 mm
Height	2.7 mm
Order by	100 pcs.

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Practical recommendation:

- Add slightly more than the required amount of liquid foam since a small amount always remains on the wooden spatula.

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C-Orthocryl Sanitized®

- + Lamination resin for carbon fibre technique
- + Antibacterial effect
- + Facilitates fabricating components with a low proportion of resin
- + Optimum ratio of matrix to reinforcing materials

Article number	617H255=0.900	617H255=4.600	617H255=25
Net contents	0.9 kg	4.6 kg	25 kg



646A263=GB
646D119=GB
646D300=GB
646D453=EN



2011 gold



Practical recommendation:

- Casting carbon on carbon, no filter layers are required
- For sheet casting, use only 616F4 PVA Film or 99B81 PVA Bags.


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Orthocryl Sealing Resin

- + For sealing and reinforcing
- + High-strength adhesive bonds, e.g. wood, foam
- + Combined with filler material for making putties

Article number	617H21=0.900	617H21=4.600	617H21=25
Net contents	0.9 kg	4.6 kg	25 kg

	Resin 100	:	Hardener 2-3	:	Colour Paste 3
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Danger

 646D453=EN


• 642K13 Filling Set is available for containers 25 kg and over.



Orthocryl Lamination Resin 80:20 PRO

- + Lamination resin for the fabrication of components with a low proportion of resin
- + Low viscosity with the same mechanical characteristics as 617H19
- + Better penetration of the reinforcement
- + Rapid evacuation of air from the reinforcement
- + Hardener/colour pastes are easier to mix

Article number	617H119=0.900	617H119=4.600	617H119=25
Net contents	0.9 kg	4.6 kg	25 kg

	Resin 100	:	Hardener 2-3	:	Colour Paste 3
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Danger

 646D453=EN


• 642K13 Filling Set is available for containers 25 kg and over.



Orthocryl Lamination Resin 80:20

- + The proven classic material for laminating!
- + Optimum ratio 80:20 for making stiff laminates (with 20% 617H17 Orthocryl, soft)
- + Can be combined with all common reinforcement materials in orthopaedics technology

Article number	617H19=0.900	617H19=4.600	617H19=25
Net contents	0.9 kg	4.6 kg	25 kg

	Resin 100	:	Hardener 2-3	:	Colour Paste 3
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Danger

 646D453=EN

• 642K13 Filling Set is available for containers 25 kg and over.



Practical recommendation:


- For sheet casting, use only 616F4 PVA Film or 99B81 PVA Bags.

C-Orthocryl

Now also with antibacterial features (617H255)!


- + Lamination resin for carbon fibre technique
- + Facilitates fabricating components with a low proportion of resin
- + Optimum ratio of matrix to reinforcing materials

Article number	617H55=0.900	617H55=4.600	617H55=25
Net contents	0.9 kg	4.6 kg	25 kg

	Resin	:	Hardener	:	Colour Paste
	100		2-3		3

642K13 Filling Set is available for containers 25 kg and over.



 646D119=GB
646D453=EN




Practical recommendation:

- Casting carbon on carbon, no filter layers are required
- For sheet casting, use only 616F4 PVA Film or 99B81 PVA Bags.

Orthocryl, soft

- + For flexible laminates
- + Facilitates laminating flexible components such as flaps in case of hip and knee disarticulations

Article number	617H17=0.900	617H17=4.600	617H17=25
Net contents	0.9 kg	4.6 kg	25 kg

	Resin	:	Hardener	:	Colour Paste
	100		1-2		3

642K13 Filling Set is available for containers 25 kg and over.



 646D453=EN



Practical recommendation:

- For sheet casting, use only 616F4 PVA Film or 99B81 PVA Bags.

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Orthocryl, extra-soft

- + For very flexible laminate
- + Facilitates laminating very flexible components such as flaps in case of hip and knee disarticulations
- + Can be combined with 617H19 Orthocryl Lamination Resin 80:20 and 617H55 C-Orthocryl

Article number	617H51=0.900	617H51=4.600	617H51=25
Net contents	0.9 kg	4.6 kg	25 kg



646D453=EN

	Resin 100	:	Hardener 1-2	:	Colour Paste 3
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642K13 Filling Set is available for containers 25 kg and over.



Practical recommendation:

- For sheet casting, use only 616F4 PVA Film or 99B81 PVA Bags.



Thinner for Orthocryl Resins

- + Especially for thinning Orthocryl resins
- + For cleaning
- + For altering the viscosity of the resin, particularly for swashing out open-pored Pedilen sockets
- + Can also be used for working the edges of check sockets, e.g. ThermoLyn clear, ThermoLyn rigid and ThermoLyn PETG clear

Article number	634A28
Net contents	0.8 kg



642K13 Filling Set is available for containers 25 kg and over.

Polytol PU Resin Kit

- + For fabricating flexible inner sockets in prosthetics or sandwich frame structures in orthotics
- + Alternative to flexible inner sockets made of thermoplastics, silicone or Orthocryl resin
- + Especially well suited for prosthetic fittings on patients with short transfemoral residual limbs (TF/max. residual limb length approx. 15 cm)
- + Transtibial (TT) in combination with liner or soft socket
- + Knee disarticulation (KD) in combination with liner, soft socket or directly on the skin
- + Longer transfemoral residual limbs (TF/residual limb length > 15 cm) in combination with liner or directly on the skin
- + Hip disarticulation (HD)
- + For prosthetic fittings of the upper limbs (e.g. TR, TH, SD)
- + For orthotic fittings (e.g. KAFO)
- + Fittings may be realised in combination with an exterior frame or as a sandwich structure
- + High permanent elasticity
- + Good adhesion to the skin
- + Good moisture absorption
- + Dermatologically tested (SGS Institut Fresenius GmbH Deutschland)

Article number	617H14
Consisting of	Component A PU Resin Container contents: 495 g Component B Isocyanate Container contents: 99 g Component C Catalyst Container contents: 165 g



Danger

646S1=12.07GB 646D377=GB
646D453=EN

646T7=4.1GB



DESIGN PLUS

material award

2009 gold



Practical recommendation:

- Allow the plaster model to cure fully
- For PVA sheeting, use only 453H2=1 Special Lubricant (do not use talcum)
- Use paper towel to clean soaked PVA sheeting
- Do not shake containers
- Take high viscosity into account during lamination
- Thoroughly mix resin colour paste before adding component B (isocyanate)
- Observe 13-minute processing time (after mixing the components)
- Hardening time is precisely 4 hours (allow to cure overnight under vacuum if possible)

Polytol Polytol Primer

- + Used as a ground coat for surfaces during the fabrication of flexible Polytol inner sockets with frame
- + Enables liquid Polytol to adhere to cured Polytol

Article number	636W91
Container volume	30 g



647G450



Practical recommendation:

- Apply Polytol Polytol primer to the cured face, allow to air dry for 20 minutes, then pour on the mixed reactive Polytol resin.

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Polytol Orthocryl Primer

- + Used as a ground coat for surfaces during the fabrication of flexible Polytol inner sockets with frame
- + Enables liquid Polytol to adhere to cured Orthocryl (617H21/617H19/617H55)

2

Article number	636W92
Container volume	30 g

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647G450

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Practical recommendation:

- Apply the Polytol Orthocryl primer to the cured face, allow to air dry for 20 minutes, then pour on the mixed reactive Polytol resin.

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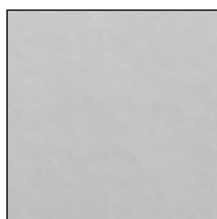


Dacron® Felt

- + For filling reinforcements, for swells, tubercle seats, etc.
- + Good bleeding properties when laminating
- + Good absorption of all Ottobock lamination resins
- + Sewable
- + Smooth surface after laminating
- + Suitable for surfaces

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Order example

Reference number	=	1	x	Length
616G6	=	1	x	1

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646D453=EN

Reference number	616G6
Length	1 m, 2 m, 5 m, 10 m, 20 m, 30 m, 50 m
Width	930 mm
Thickness (dry)	3 mm

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All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)
 Dacron® is a registered trademark of DuPont.

Elastic Stockinette, white (filtering bag)

- + Especially well suited for viscous resins, e.g. Polytol
- + For silicone lamination
- + 100% polyamide
- + Knitted fabric
- + Finely meshed
- + High strength
- + Low tendency to wrinkle
- + Suitable for surfaces



Article number	623T13=6	623T13=10	623T13=15
Length	50 m	77 m	43.5 m
Width	6 cm	10 cm	15 cm
Weight	0.5 kg	1 kg	1 kg

646D453=EN

Polyester Knit Fabric

- + For reinforcing Orthocryl soft resins, Polytol sockets (e.g. flaps HD) and silicones
- + Stretchable in one direction
- + Stable in one direction
- + High resistance to tearing

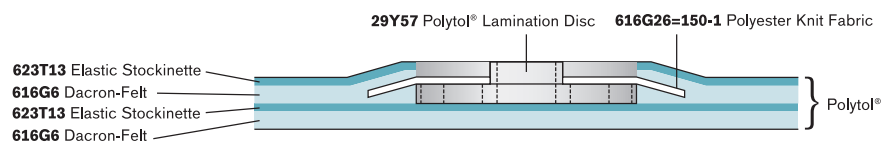


Article number	616G26=150-1
Length	1,100 mm
Width	1,500 mm

646D453=EN

Polytol Lamination Disc

- + For fabricating sockets, e.g. Polytol sockets
- + Good infusion of Polytol and silicones
- + Can be used in conjunction with Ottobock Orthocryl resins
- + Facilitates good absorption of resin, particularly by the underlying reinforcement materials
- + "Invisible" frame fixation
- + No corrosion



Article number	29Y57
Thread	M4

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)



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Double-Sided Adhesive Tape

- + For adhering e.g. inner socket to outer frame
- + Not suitable for reinforcement materials
- + Base material: PE sheeting
- + Double sided acrylic adhesive mass
- + Transparent (covered with red parting sheeting)
- + Good frame fixation (Hook-and-loop closure not required)
- + High adhesive strength on various materials, e.g. plastics
- + Good temperature resistance



Application example



Use 634A58 Isopropyl Alcohol to clean the surfaces that are to be bonded (here the inner socket and the frame). Cut 633D5 Double Sided Adhesive Tape to the required length.



Place the tailored adhesive tape strips on the corresponding surfaces and press them on.



Join and position the frame and inner socket. Press the inner socket together and remove the red protective film from the double sided adhesive tape. Now firmly press both components together at the points to be bonded.

Article number	633D5=9	633D5=19	633D5=50
Length	50 m	50 m	50 m
Width	9 mm	19 mm	50 mm
Colour	transparent	transparent	transparent
Order by	1 roll	1 roll	1 roll



Procomfort Gel

- + For Polytol sockets
- + Creamy consistency
- + Prevents static friction on skin

Article number	633S2
Net contents	250 ml

Derma Prevent

- + For Polytol sockets
- + Oily consistency
- + Prevents static friction between socket and clothing



Article number	453H12	453H12=1
Packaging	Package of 6	1 pc



Practical recommendation:

- To reduce the static friction of Polytol, rub a thin layer of Derma Prevent on the inside and outside of the socket. Do not apply Derma Prevent to those places where a double sided adhesive strip or a self-adhesive hook or loop strip will be attached later on.

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Araldit® Lamination Resin

- + For stiff and hard laminates
- + Colourless, transparent, epoxy-based two-component resin

Article number	617H4=1	617H4=5	617H4=25
Net contents	1 kg	5 kg	25 kg



Hardener for 617H4 Araldit® Lamination Resin

- + For 617H4 Araldit® Lamination Resin
- + Facilitates hardening in approx. 10 hours

Article number	617P3=1
Net contents	1 kg



Quick Hardener for 617H4 Araldit® Lamination Resin

- + For 617H4 Araldit® Lamination Resin
- + For accelerating the curing process (approx. 5 hours)

Article number	617P15
Net contents	1 kg

For stiff laminate:

	Araldit® Lamination Resin 100	:	617P3=1 Hardener or 617P15 Quick Hardener 20
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- 3 parts resin colour paste, if necessary



Practical recommendation:

- For sheet casting, use only 616F1, 616F7 or 99B71 PVC sheeting.
- For Araldit® Lamination Resin we recommend 617Z2/3/4/5/6/7/9 Ottobock Resin Colour Pastes.


Araldit® is a registered trademark of Ciba-Geigy.

Versamide

+ Softener for 617H4 Araldit® Lamination Resin, when it is to be used for fabricating flexible laminates

Article number	617W1=0.750	617W1=4.600
Net contents	0.75 kg	4.6 kg

For flexible laminate:

	Araldit® Lamination Resin	:	Versamide	:	617P3=1 Hardener or 617P15 Quick Hardener
	60		40		10



- 3 parts resin colour paste, if necessary



Practical recommendation:

- For fabricating flexible lamination resin sockets, do not use a fibreglass stockinette or a Nylglas stockinette
- For sheet casting, use only 616F1, 616F7 or 99B71 PVC sheeting.
- For Araldit® Lamination Resin we recommend 617Z2/3/4/5/6/7/9 Ottobock Resin Colour Pastes.

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Araform

- + For use with 84P4=1 Hardener for Araform, for fabricating reusable moulds for hand and finger prostheses
- + Cold-curing epoxy resin with aluminium filler
- + Enhanced thermoplastic heat distortion resistance
- + Low viscosity
- + Pot life/moulding time 60-80 minutes
- + Curing time at least 24 hours at 25 °C (77 °F)

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Article number	84A4=12
Net contents	12.5 kg
Packaging	Can

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Practical recommendation:

- To reproduce fine details, prior to laminating use a short-bristle brush to apply a thin layer of resin/hardener mixture to the mould.

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Hardener for 84A4 Araform


- + For use with 84A4=12 Araform

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Article number	84P4=1
Net contents	1 l
Packaging	Bottle

	Araform 12.5	:	Hardener 1
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Araform Parting Agent

- + Parting agent for mould building and silicone production (Araform on Araform, Araform on silicone)
- + Wax in solvent
- + To obtain a glossy surface, each application can be polished after 10-15 minutes

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Article number	85F3
Net contents	1 l
Packaging	Bottle

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Filling Set

- + Facilitates bottling of Orthocryl resin

Article number	642K13
Suitable for	25 kg containers



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Orthocryl Sealing Resin Compact Adhesive

- + For adhering e.g. wood, plastics, leather
- + Used with 617P14 Hardener Paste or 617P37 Hardening Powder
- + Base: solution of an acrylic polymer in methacrylic esters
- + Thixotrope

Article number	636K18
Net contents	1 kg
Colour	transparent



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Danger

 646F297=GB

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Practical recommendation:

- Recommended for parting components prior to laminating

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Hardening Powder

- + Hardening powder for Orthocryl resins
- + Includes 1 g measuring spoon
- + Mixes well with Orthocryl resins
- + Easy dosing
- + Lowers the flow properties of Orthocryl resins

Article number	617P37=0.150
Net contents	0.15 kg



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Danger

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Practical recommendation:

- Applies to all Orthocryl resins: add max. 3% 617P37 Hardening Powder.

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Round container for 617P37 Hardening Powder

- + For cleanly storing 617P37 Hardening Powder
- + With cover

Article number	642B13
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Hardening Paste

- + For 636K7 Orthocryl Putty, 636K9 Akemi Fast Curing Putty, 636K17 Lightweight Putty as well as 636K18 Sealing Resin Compact Adhesive
- + Thixotropic
- + Good miscibility
- + Facilitates quick curing



Article number	617P14=0.028	617P14=0.150	617P14=0.500
Net contents	0.028 kg	0.15 kg	0.5 kg

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	Putty 100	:	617P14 Hardener Paste 3
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Resin Colour Paste, Light Skin Colour

- + For Ottobock lamination resins and putties
- + For a natural look
- + Good miscibility
- + Good surface coverage

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Article number	617Z2=0.180	617Z2=1
Net contents	0.18 kg	1 kg
Packaging	Tube	Can
Colour	Light skin colour	Light skin colour

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Attention

11

 646A230=GB

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Practical recommendation:

- Mix resin colour paste and lamination resin well. Once mixing is complete, add hardener.

Resin Colour Pastes

- + For Ottobock lamination resins and putties
- + Large choice of colours
- + High luminosity
- + Good miscibility
- + Good surface coverage



Article number	Net contents	Colour	
617Z3	0.25 kg	Tan skin colour	
617Z4	0.25 kg	white	
617Z5	0.25 kg	yellow	
617Z6	0.2 kg	red	
617Z7	0.25 kg	blue	
617Z9	0.25 kg	black	
617Z58=3	0.25 kg	green	



Practical recommendation:

- Mix resin colour paste and lamination resin well. Once mixing is complete, add hardener.

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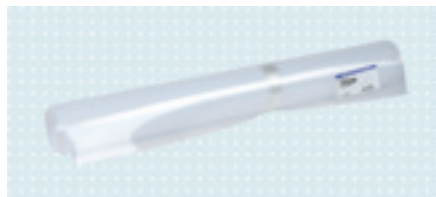
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646F265=GB 646D300=GB

ThermoLyn Trolene

PE-LD

- + Used as a forming and parting material
- + For orthotic components that require little stiffness but high flexibility
- + For fabricating flaps in socket technology
- + Individually cut to size, it can be used as a device for filling work
- + Reusable and easy to clean due to its smooth surface
- + Flexible polyethylene
- + Opaque
- + Good transparency
- + Low molecular weight
- + Good thermoplastic formability
- + High flexibility
- + Temperature recommendation: processing temperature 125°C/257°F (heating plate, convection oven, infrared oven)

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Article number	616T3=1	616T3=2	616T3=2000x1000x2	616T3=2000x1000x3	616T3=40x32x2
Length	1,000 mm	1,000 mm	2,000 mm	2,000 mm	40 mm
Width	500 mm	500 mm	1,000 mm	1,000 mm	32 mm
Thickness	1 mm	2 mm	2 mm	3 mm	2 mm
Colour	natural colour	natural colour	natural colour	natural colour	natural colour

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Practical recommendation:

- Can also be used as a dummy material, e.g. with lamination technology.

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Talcum Powder Pharma

- + Very light filler material for lamination resins
- + For chalking plaster models
- + Pharmaceutical grade
- + Powder form

Article number	639A1=1
Net contents	1 kg

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Microballoon, white

- + Extremely light filler material for Ottobock lamination resins
- + Powder form
- + Good adhesive properties in conjunction with Ottobock lamination resins
- + Reduction in density and thus lower weight of final product

Article number	617Z8=1
Net contents	1 kg

Measuring Cup

- + Polypropylene measuring cup
- + Facilitates a precise mixing ratio
- + Scale for the following Ottobock materials: Pedilen foams, Pedilen hardener, Orthocryl resins, silicone
- + Custom sizes available
- + Reusable



 646A230=GB

Order example

Reference number = Volume

642B2 = 50

Reference number	642B2
Volume	50 g, 100 g, 200 g, 400 g, 1,000 g
Order by	100 pcs.



Practical recommendation:

- Since foams and hardeners have different densities, a precise 1 to 1 mixing ratio is required. We recommend using a measuring cup to ensure this mixing ratio.
- Add slightly more than the required amount of liquid foam, since a small amount often remains in the measuring cup.

Wooden Spatula

- + Versatile measuring tool
- + mm and inch markings
- + Rectangular form facilitates thorough mixing in the bottom and edge areas, for example with lamination resins



Article number	699Y3
Length	270 mm
Width	18 mm
Height	2.7 mm
Order by	100 pcs.



Practical recommendation:

- Add slightly more than the required amount of liquid foam since a small amount always remains on the wooden spatula.

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PVA Sheeting

- + For working with Orthocryl and polyester lamination resins
- + Film adapts to contours extremely well
- + Easy to weld with the 756E1 Hand Sealing Iron
- + Good stretching properties
- + High resistance to tearing

Order example

 646A230=GB

Reference number = Width x Length

616F4 = 76 x 5

Reference number	616F4	616F4	616F4
Length	5 m, 10 m, 20 m, 30 m, 50 m, 100 m, 450 m	5 m, 10 m, 20 m, 30 m, 50 m, 100 m, 200 m	5 m, 10 m, 20 m, 30 m, 50 m, 100 m
Width	76 cm	100 cm	130 cm
Thickness	0.08 mm	0.08 mm	0.08 mm



PVA Bags

- + For working with Orthocryl and polyester lamination resins
- + Sizes available for all amputation and orthosis types
- + Film adapts to contours extremely well
- + Easy to weld with the 756E1 Hand Sealing Iron
- + Good stretching properties
- + High resistance to tearing

Article number	For the fabrication of	Length	Width	Height	Order by
99B81=60x11x4	Upper limb prostheses	60 cm	11 cm	4 cm	10 pcs.
99B81=70x19x5	Soft inner sockets and transtibial prostheses	70 cm	19 cm	5 cm	10 pcs.
99B81=70x27x5	Transfemoral sleeves/prostheses	70 cm	27 cm	5 cm	10 pcs.
99B81=100x19x5	Transtibial prostheses	100 cm	19 cm	5 cm	10 pcs.
99B81=100x26x5	Transfemoral prostheses	100 cm	26 cm	5 cm	10 pcs.
99B81=100x30x5	Transfemoral prostheses	100 cm	30 cm	5 cm	10 pcs.
99B81=100x36x5	Transfemoral prostheses	100 cm	36 cm	5 cm	10 pcs.
99B81=120x50x10	Hip disarticulation	120 cm	50 cm	10 cm	10 pcs.
99B81=130x19x5	KAFO	130 cm	19 cm	5 cm	10 pcs.
99B81=130x22x5	KAFO	130 cm	22 cm	5 cm	10 pcs.
99B81=130x26x5	KAFO	130 cm	26 cm	5 cm	10 pcs.

Polyethylene Filling Sleeve

- + For working with Orthocryl and polyester lamination resins
- + For multi-stage casting (hard/soft cast)
- + High resistance to tearing

Article number	616S2
Length	50 m
Width	70 mm
Thickness	0.1 mm
Order by	1 roll



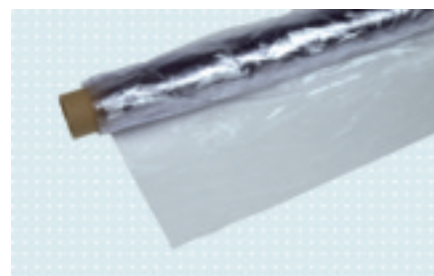
PVC Sheeting, clear

- + For Araldit® lamination resin work
- + Easy to weld with the 756E1 Hand Sealing Iron
- + Adheres with 616F10 Double Sided PVC Adhesive Tape
- + High resistance to tearing

Article number	616F1=5	616F1=10	616F1=30
Length	5 m	10 m	30 m
Width	130 cm	130 cm	130 cm
Thickness	0.12 mm	0.12 mm	0.12 mm

Article number	616F1=140x0.50
Width	140 cm
Thickness	0.5 mm

- Please specify length when ordering



Practical recommendation:

- Thermoformable

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PVC Sheeting, Sheeting Bags, clear

- + For Araldit® lamination resin work
- + Sizes available for all amputation and orthosis types
- + Easy to weld with the 756E1 Hand Sealing Iron
- + Adheres with 616F10 Double Sided PVC Adhesive Tape
- + High resistance to tearing

Article number	For the fabrication of	Length	Width	Height	Order by
99B71=60x11x4	Upper limb prostheses	60 cm	11 cm	4 cm	10 pcs.
99B71=70x19x5	Soft inner sockets and transtibial prostheses	70 cm	19 cm	5 cm	10 pcs.
99B71=70x27x5	Thigh sleeves, transfemoral prostheses	70 cm	27 cm	5 cm	10 pcs.
99B71=130x22x5	KAFO	130 cm	22 cm	5 cm	10 pcs.
99B71=130x26x5	KAFO	130 cm	26 cm	5 cm	10 pcs.



Practical recommendation:

- Thermoformable



Plasticine Clay

- + For preparing models
- + For forming temporary dummies when there is no direct resin contact
- + Easily formable
- + Easy to apply, even on larger surfaces

Article number	636K6
Net contents	0.5 kg
Colour	white



Vulkollan® Elastic Band

- + For tying off all Ottobock sheeting bags
- + With pre-punched holes for customised fitting
- + With 10Y5 Fastening Button
- + High mechanical load capacity
- + High tearing resistance
- + Long life
- + Thermoformable

Article number	10Y4
Length	500 mm
Width	15 mm

Araldit® is a registered trademark of Ciba-Geigy.
Vulkollan® is a registered trademark of Bayer.

Vulkollan® Elastic Band

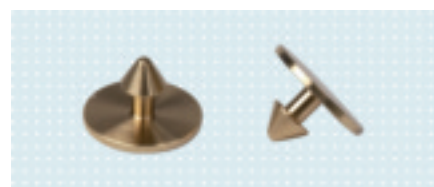
- + For tying off all Ottobock sheeting bags
- + Individually adaptable
- + High mechanical load capacity
- + High tearing resistance
- + Durable
- + Thermoformable



Article number	617B1
Length	4 m
Width	15 mm

Fastening Button

- + For fixating e.g. Vulkollan elastic bands
- + Made of brass



Article number	10Y5
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Vulkollan® is a registered trademark of Bayer.

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Acrymed Poly

- + For fabricating fingernails and toenails
- + For fabricating foundations of Maxillo facial prostheses
- + For use with 84P1 Acrymed Mono
- + Transparent acrylic powder

Article number	84A1
Net contents	75 g

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Acrymed Mono

- + For use with 84A1 Acrymed Poly
- + Clear liquid acrylic monomer

Article number	84P1
Net contents	50 ml

• The mixing ratio depends on the application.

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Acrydoc Poly

- + For fabricating fingernails and toenails
- + For fabricating foundations of Maxillo facial prostheses
- + For use with 84P2 Acrydoc Mono
- + Pink-coloured acrylic powder

Article number	84A2
Net contents	70 g

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Acrydoc Mono

- + For use with 84A2 Acrydoc Poly
- + Clear liquid acrylic monomer

Article number	84P2
Net contents	50 ml

• The mixing ratio depends on the application.

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Acryform Poly

- + For fabricating mouldings and dummies
- + For repairing Araform moulds
- + For use with 84P3 Acryform Mono
- + White acrylic powder
- + High form stability
- + Immediately tack-free and ready for processing
- + Mixing time 20-25 seconds

Article number	84A3
Net contents	75 g



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Acryform Mono

- + For use with 84A3 Acryform Poly
- + For making kneadable acryl moulding mass
- + Clear liquid acrylic monomer

Article number	84P3
Net contents	50 ml



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- The mixing ratio depends on the application.



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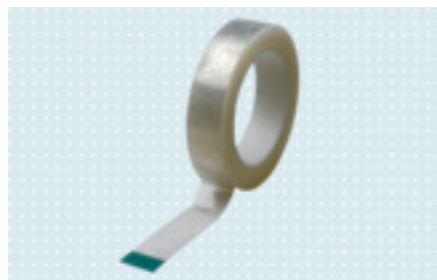
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 646A230=GB



Polyethylene Adhesive Tape

- + For sealing damaged PVA sheeting
- + The proven classic material!
- + Versatile in application
- + Base material: PE sheeting
- + Acrylic adhesive material
- + High elasticity
- + High resistance to tearing
- + Thermally stable

Application example



Apply 627B40 Polyethylene Adhesive Tape around the areas that are to be opened after laminating; while doing so, excessive resin in these areas can be reduced with the pre-tensioned adhesive tape. With a given pre-tensioning, the adhesive tape can be twisted to a cord so that excess resin can also be reduced in areas that are difficult to access.

Article number	627B40
Length	33 m
Width	25 mm
Colour	transparent
Order by	1 roll

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Polyethylene Adhesive Tape

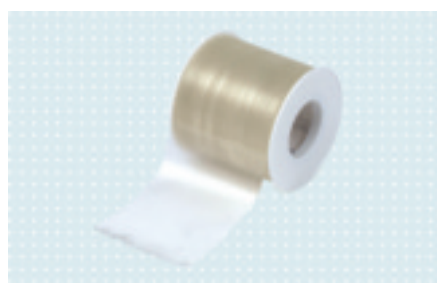
- + For sealing damaged PVA sheeting
- + Base material: PE sheeting
- + Rubber adhesive
- + High abrasion resistance
- + Good resistance to chemical action

Article number	627B4
Length	50 m
Width	25 mm
Colour	transparent
Order by	1 roll

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PVC Adhesive Tape (Coroplast)

- + For masking PVC sheeting
- + Suitable for trial fittings
- + The proven classic material!
- + Versatile in application
- + Base material: soft PVC sheeting
- + Acrylic adhesive material
- + Thermally stable

Article number	616F8
Length	10 m
Width	50 mm
Colour	transparent
Order by	1 roll

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12

Linen Adhesive Tape

- + For sealing, closing and reinforcing, used in conjunction with lamination resin applications
- + Versatile in application
- + Base material: open mesh
- + Rubber adhesive
- + High resistance to tearing
- + High adhesive strength

Article number	627B1=19	627B1=25	627B1=50
Length	50 m	50 m	50 m
Width	19 mm	25 mm	50 mm
Colour	Raw white	Raw white	Raw white
Order by	1 roll	1 roll	1 roll



 646A230=GB



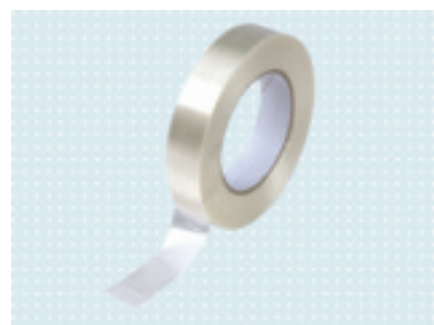
Practical recommendation:

- Subsequent inscription on 627B1 Linen Adhesive Tape is possible, so that it is suitable for labelling

Monofilament Adhesive Tape

- + For securing prosthetic sockets
- + Fibreglass reinforced PP adhesive tape
- + Rubber adhesive
- + Extremely high resistance to tearing

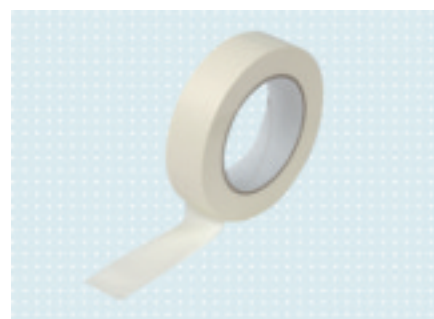
Article number	627B2=19	627B2=25
Length	50 m	50 m
Width	19 mm	25 mm
Colour	transparent	transparent
Order by	1 roll	1 roll



Crepe Adhesive Tape

- + For masking particular areas for isolation during painting and isolating work, e.g. SuperSkin
- + For temporary fixation
- + Base material: special paper
- + Rubber adhesive
- + Good adhesion on various surfaces
- + Easy to tear by hand
- + Inscrutable

Article number	627B6=15	627B6=30
Length	50 m	50 m
Width	15 mm	30 mm
Colour	Chamois	Chamois
Order by	1 roll	1 roll



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Silkafax Adhesive Tape

- + For fixation when applying lamination resin technique
- + Versatile in application
- + Base material: woven artificial silk made of 100% acetate
- + Acrylic adhesive material
- + Good adhesion
- + Can be torn lengthwise and crosswise
- + Leaves no residues on the skin

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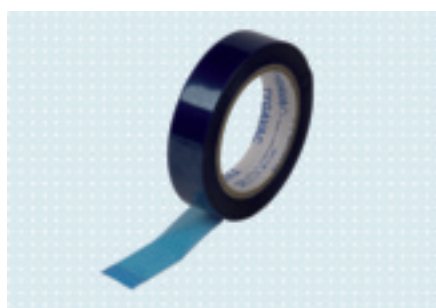
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Article number	627B7=25
Length	5 m
Width	25 mm
Colour	white
Order by	1 roll

4

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Adhesive Tape for Vacuum Technique

- + For fixation when applying lamination resin technique
- + Used in Malmö technique
- + Versatile in application
- + Base material: PE sheeting
- + Base for adhesive made of silicone
- + Thermally stable to approx. 200 °C (392 °F)

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Article number	636D3
Length	66 m
Width	25 mm
Colour	blue
Order by	1 roll

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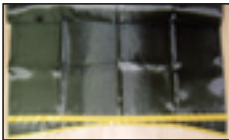
Double-Sided PVC Adhesive Tape

- + For double sided adhering of PVC sheeting
- + Applying reinforcement materials, e.g. carbon
- + Without base material
- + Double sided acrylic adhesive mass
- + Transparent (covered with greaseproof paper)
- + Conforms to contours extremely well
- + Highly effective with minimal use of materials

Application example



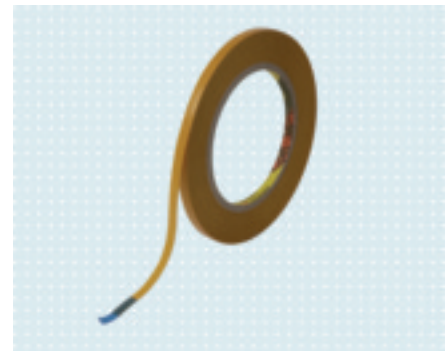
By pulling out a weft thread running close to the cut edge, check that the weft thread of the 616G12 Carbon Fibre Cloth is running a straight course.



Pull the carbon fibre cloth straight to such a degree that the resulting mesh loop runs 90° to the warp. Using 616F10 Double Sided PVC Adhesive Tape, tape over the resulting mesh loop and cut the carbon fibre cloth centrally along the adhesive tape. After these preparations have been completed, tailored carbon fibre sections can be made that have a 90° alignment between the warp and the weft. In this way the carbon fibres are not only aligned in accordance with the arising forces, they can also absorb these optimally.



Position the tailored carbon fibre sections on those parts of the reinforcements that are to be strengthened, and at the same time pre-tension them in the fibre directions.



 646A230=GB



Article number	616F10=6	616F10=9	616F10=19
Length	55 m	55 m	55 m
Width	6 mm	9 mm	19 mm
Colour	transparent	transparent	transparent
Order by	1 roll	1 roll	1 roll

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Double-Sided Adhesive Tape

- + For adhering e.g. inner socket to outer frame
- + Not suitable for reinforcement materials
- + Base material: PE sheeting
- + Double sided acrylic adhesive mass
- + Transparent (covered with red parting sheeting)
- + Good frame fixation (Hook-and-loop closure not required)
- + High adhesive strength on various materials, e.g. plastics
- + Good temperature resistance

Application example



Use 634A58 Isopropyl Alcohol to clean the surfaces that are to be bonded (here the inner socket and the frame). Cut 633D5 Double Sided Adhesive Tape to the required length.



Place the tailored adhesive tape strips on the corresponding surfaces and press them on.



Join and position the frame and inner socket. Press the inner socket together and remove the red protective film from the double sided adhesive tape. Now firmly press both components together at the points to be bonded.

Article number	633D5=9	633D5=19	633D5=50
Length	50 m	50 m	50 m
Width	9 mm	19 mm	50 mm
Colour	transparent	transparent	transparent
Order by	1 roll	1 roll	1 roll



Neoprene® Cell Rubber Tape

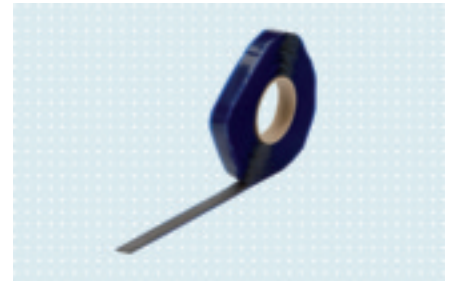
- + For sealing, isolating, vacuum forming and foaming
- + Base material: foam
- + Rubber adhesive
- + Good resisting properties, e.g. against oils and greases
- + High-quality seal against water

Article number	627B5=19	627B5=25	627B5=50
Length	10 m	10 m	10 m
Width	19 mm	25 mm	50 mm
Thickness	4 mm	4 mm	4 mm
Colour	black	black	black
Order by	1 roll	1 roll	1 roll

Neopren® is a registered trademark of DuPont.

Plastaband

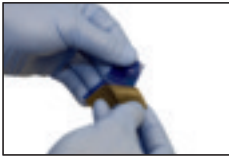
- + For sealing, filling and protection in conjunction with lamination applications
- + Ideal for isolating, e.g. orthotic joints while laminating
- + Base: synthetic rubber
- + Easy to remove from mould
- + Temperature resistant



Application example



Cut 636K8 Plastaband to the required length.



Detach the blue separating film from the plastaband and pre-shape the plasta tape.



Using the pre-formed plastaband, isolate the corresponding areas of the objects that will be included in the laminate (e.g. screw heads, bare threads, joint surfaces).

Article number	636K8=20x2x10
Length	10 m
Width	20 mm
Thickness	2 mm
Colour	grey

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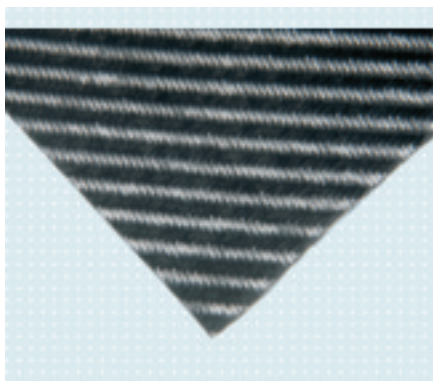
Prepreg Technology

Now you can benefit from our prepreg technology experience! Prepreg incorporates the processing of pre-impregnated base materials, e.g. carbon fibres pre-impregnated with epoxy resin. In orthopaedics, prepreg technology is suitable for the fabrication of very lightweight and high-strength orthoses, among other applications.

The Ottobock prepreg line includes numerous raw materials required for processing. More about the Ottobock ovens, the Ottobock vacuum equipment and other prepreg technology accessories can be found in the Consulting, Planning and Equipping catalogue (646K10=GB).

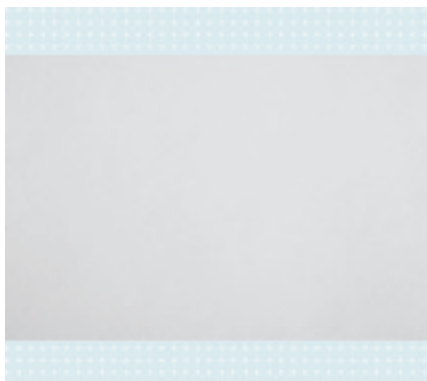
HIGHLIGHTS

616B10=5 Carbon Fibre Woven Prepreg



- + For high-strength, very thin orthoses in prepreg technology
- + Soaked in epoxy resin
- + High tensile strength and compressive strength
- + Suitable for surfaces

616G60=1x5 Breather with Integrated Release Film Compoflex® 250



- + Breathable, microporous absorbent fleece
- + Low resin absorption
- + Smooth functional side replaces the perforated sheeting
- + 100% polypropylene
- + Self-separating
- + Processing temperature: 140°C / 284°F (convection oven)

633W8 Wax



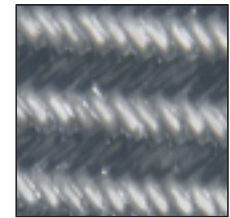
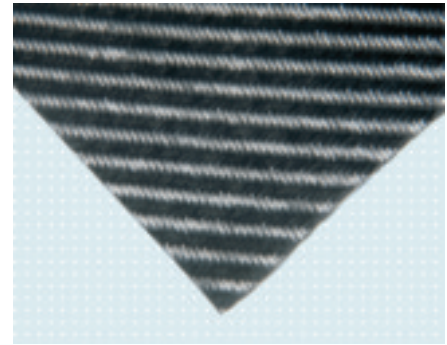
- + For insulating joints, components and dummies
- + Excellent separating effect
- + Easy to process

Compoflex® is a registered trademark of Fibertex.

Carbon Fibre Woven Prepreg

- + For high-strength, very thin orthoses in prepreg technology
- + Soaked in epoxy resin
- + High tensile strength and compressive strength
- + Suitable for surfaces

Article number	616B10=5
Length	5 m
Width	1.27 m
Fibre weight per unit area	283 g/m ²
Bond type	Twill 4/4
Fiber content	54 percent by weight
Resin content	46 percent by weight



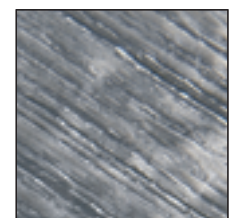
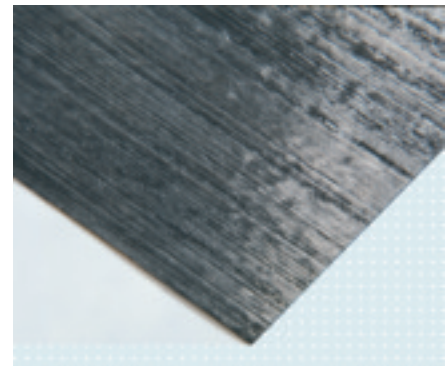
646A174=GB
646D453=EN



Carbon Fibre Nonwoven Prepreg, unidirectional

- + For high-strength, very thin orthoses in prepreg technology
- + Soaked in epoxy resin
- + High tensile strength and compressive strength
- + For increasing bending rigidity
- + Always embed in between webbings

Article number	616B11=5
Length	5 m
Width	0.3 m
Fibre weight per unit area	300 g/m ²
Bond type	UD
Fiber content	60 percent by weight
Resin content	40 percent by weight



646A174=GB
646D453=EN

Sample Set of Carbon Profile Bars

- + 3 carbon profile bars (0°, 45° und 90°)
- + The mechanical properties of the carbon fabric are dependent on the direction of application of a force. Under tensile load in the warp or weft direction, woven fabrics stretch only slightly. But if the tensile load is applied diagonally, e.g. at an angle of 45°, woven carbon fabrics are highly stretchable. The fibre direction should be adapted to the expected load.

Article number	646M39
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646D453=EN

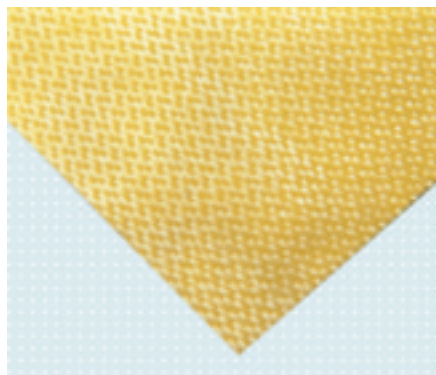
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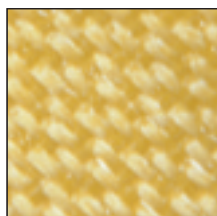
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Aramid Fibre Woven Prepreg

- + For fabricating orthoses in prepreg technology
- + For flexible seating tape
- + Soaked in epoxy resin
- + Flexible and shape-retentive

Article number	616B13=1
Length	1 m
Width	1.25 m
Weight per unit area	170 g/m ²
Bond type	Satin 1/4
Fiber content	50 percent by weight
Resin content	50 percent by weight



 646A174=GB
646D453=EN

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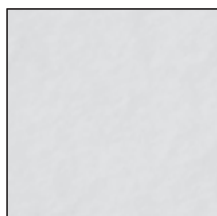
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Dyneema Woven Prepreg

- + For fabricating orthoses in prepreg technology
- + For flaps and fasteners
- + For flexible edge areas
- + Soaked in epoxy resin
- + Highly flexible and strain-free

Article number	616B15=1
Length	1 m
Width	1 m
Weight per unit area	160 g/m ²
Bond type	Twill 2/2
Fiber content	50 percent by weight
Resin content	50 percent by weight



 646A174=GB
646D453=EN

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Shipping information:

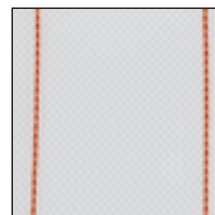
- Shipping only possible within Europe
- Shipping days: Monday, Tuesday, Wednesday

Practical recommendation:


- When stored at a temperature of -18 °C/-0.4 °F, prepregs can be processed for approximately ½ year; at room temperature, a maximum of 30 days.
- Freeze in airtight sealed packaging; in order to avoid condensation, thaw to room temperature in airtight sealed packaging.
- Each thawing and freezing cycle reduces the storage stability and degrades the quality significantly.

Peel Ply with Coloured Thread

- + Surface protection during lamination work
- + Facilitates optimum strength values
- + Excessive resin can escape via the peel ply fabric during the curing phase
- + The peel ply fabric can be easily peeled off after curing
- + Leads to rough, clean surface that is optimally suited for receiving a further coating, adhesion or painting



Article number	616B16=2
Length	2 m
Width	0.5 m
Weight per unit area	83 g/m ²
Bond type	Plain weave

 646A174=GB
646D453=EN

Perlon Stockinette, white

- + For fabricating laminates
- + Knitted fabric
- + Finely meshed
- + Good stretching properties
- + Good shaping
- + Smooth surface after laminating
- + Suitable for surfaces



Article number	Length	Width	Weight
623T3=4	45.4 m	4 cm	0.5 kg
623T3=6	27.7 m	6 cm	0.5 kg
623T3=8	20.8 m	8 cm	0.5 kg
623T3=10	37 m	10 cm	1 kg
623T3=12	33.3 m	12 cm	1 kg
623T3=15	27 m	15 cm	1 kg
623T3=20	20 m	20 cm	1 kg
623T3=25	13.5 m	25 cm	1 kg
623T3=30	11.1 m	30 cm	1 kg
623T3=40	8.8 m	40 cm	1 kg

 646D453=EN

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

1



Breather with Integrated Release Film Compoflex® 250

- + Breathable, microporous absorbent fleece
- + Low resin absorption
- + Smooth functional side replaces the perforated sheeting
- + 100% polypropylene
- + Self-separating
- + Processing temperature: 140°C / 284°F (convection oven)


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Article number	616G60=1x5
Length	5 m
Width	1 m
Resin capacity	810 cm³/m²

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 646A174=GB
646D453=EN

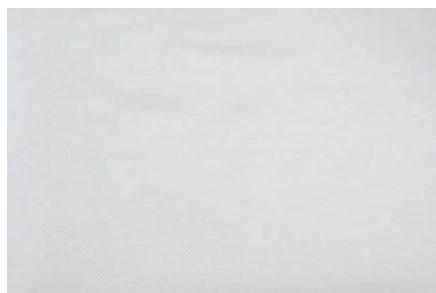
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Practical recommendation:

- Not for laminating

6



Breather with Integrated Release Film Compoflex® SB 250

- + Breathable, microporous absorbent fleece with peel ply fabric surface structure
- + Low resin absorption
- + Fabric-structured side replaces the peel ply fabric and perforated sheeting
- + 100% polypropylene
- + Self-separating
- + Processing temperature: 140°C / 284°F (convection oven)


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Article number	616G61=1x5
Length	5 m
Width	1 m
Resin capacity	810 cm³/m²

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 646A174=GB
646D453=EN

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Practical recommendation:

- Not for laminating

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Compoflex® is a registered trademark of Fibertex.

PVA Bags

- + For working with Orthocryl and polyester lamination resins
- + Sizes available for all amputation and orthosis types
- + Film adapts to contours extremely well
- + Easy to weld with the 756E1 Hand Sealing Iron
- + Good stretching properties
- + High resistance to tearing



Article number	For the fabrication of	Length	Width	Height	Order by
99B81=60x11x4	Upper limb prostheses	60 cm	11 cm	4 cm	10 pcs.
99B81=70x19x5	Soft inner sockets and transtibial prostheses	70 cm	19 cm	5 cm	10 pcs.
99B81=70x27x5	Transfemoral sleeves/prostheses	70 cm	27 cm	5 cm	10 pcs.
99B81=100x19x5	Transtibial prostheses	100 cm	19 cm	5 cm	10 pcs.
99B81=100x26x5	Transfemoral prostheses	100 cm	26 cm	5 cm	10 pcs.
99B81=100x30x5	Transfemoral prostheses	100 cm	30 cm	5 cm	10 pcs.
99B81=100x36x5	Transfemoral prostheses	100 cm	36 cm	5 cm	10 pcs.
99B81=120x50x10	Hip disarticulation	120 cm	50 cm	10 cm	10 pcs.
99B81=130x19x5	KAFO	130 cm	19 cm	5 cm	10 pcs.
99B81=130x22x5	KAFO	130 cm	22 cm	5 cm	10 pcs.
99B81=130x26x5	KAFO	130 cm	26 cm	5 cm	10 pcs.

Polyester Adhesive Tape

- + Adhesive tape, stable up to temperatures of 200°C / 392°F, for vacuum technology
- + Supporting material: polyester
- + Water-resistant adhesion
- + Can be peeled off any time

Article number	636D14
Length	66 m
Width	25 mm
Thickness	50 µm
Colour	red



 646A174=GB

Vacuum Sealing Tape

- + For adhering vacuum sheeting of all types to the edge of a mould
- + Permanently elastic, heat-resistant sealing tape (up to 190°C / 374°F) made of synthetic rubber
- + Basis for a stable vacuum
- + Can be easily removed from the mould

Article number	636K38
Length	9 m
Width	12 mm
Colour	yellow



 646A174=GB

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Rubber Cork

- + For applications in orthopaedics and shoe technology
- + Heat-resistant
- + Elastic
- + High restoring force
- + Resistant against frictional wear
- + Impermeable to liquids
- + Not thermoformable

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Order example

Reference number = Thickness

620P3 = 2

4

646A174=GB

Reference number	620P3
Length	1,000 mm
Width	500 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm

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Practical recommendation:

- Suitable for prepreg technology, as a spacer layer for padding.

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Contact Adhesive

- + For adhering flexible materials
- + Particularly for adhering profiled rubber, wood-based materials, laminated boards, veneer and plastic edging, rubber, leather, felt, fabric, cork, flexible foam, hard PVC, metal and ceramics
- + The proven classic for all workshops!
- + Versatile in application
- + Not suitable for Styrofoam and soft PVC
- + 634A6 suitable as a thinner
- + Base: methyl acetate
- + Short drying time
- + Good resistance to ageing
- + Heat resistant up to approx. 100 °C/212 °F

8



Danger

9

646F297=GB 646A174=GB

Article number	636N9=0.660	636N9=4.500
Net contents	0.66 kg	4.5 kg
Colour	Yellowish	Yellowish

10



Practical recommendation:

- Stir before use The surfaces/parts to be glued must be dry and free of dust, oil and grease.
- For rubber, thermosetting plastics and similar materials, we recommend roughening the surfaces.
- Apply contact adhesive to both sides that are to be adhered together. After a drying time of 5 – 20 minutes (depending on the thickness of the application and the temperature), press the parts together briefly and firmly.
- Contact adhesive must not be stored below +10 °C (+50 °F) and not above +25 °C (+77 °F). The containers must be protected from direct sunlight and heat. When kept in a cool, dry place, the unopened original containers can be stored for at least 1 year.

12

Fibreglass Grid Adhesive Tape

- + Partial reinforcement of vacuum sheeting
- + Venting aid
- + Non-elastic fibreglass grid
- + High resistance to tearing
- + Self-adhesive on both sides

Article number	627B3=50
Length	100 m
Width	50 mm
Colour	white
Weight per unit area	55 g/m ²



 646A174=GB



Wax

- + For insulating joints, components and dummies
- + Excellent separating effect
- + Easy to process

Article number	633W8=12.2	633W8
Net contents	12.2 g	425 g



 646A174=GB

Latex-Free Examination Glove

- + Versatile in application
- + 100% nitrile
- + Latex-free
- + Powder-free
- + Neutral fit
- + Highly elastic
- + High touch sensitivity and grip security
- + Not sterile

Article number	641H9=2
Size	7-8
Colour	blue
Order by	Package of 100



 646A174=GB

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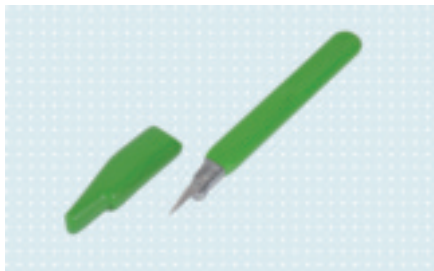
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Deburring Knife

- + For plastics
- + Replaceable blade
- + With protective cap
- + Handle with plastic coating

2

Article number	718H5
Length	160 mm
Weight	0.05 kg

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Replacement Blade for 718H5 Deburring Knife Spare Blade for Deburring Knife

4

Article number	718Y1
Weight	0.001 kg

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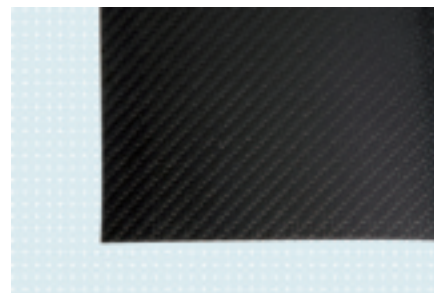
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TP.C Carbon Fibre Woven

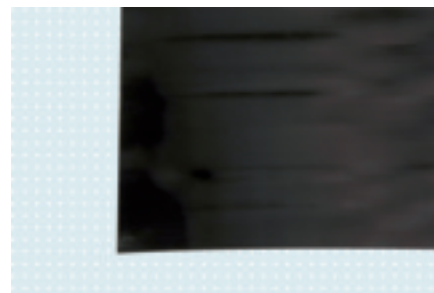
- + For high-strength, very thin orthoses on a thermoplastic material basis
- + Matrix: polyamide 12
- + Can be thermoformed under pressure
- + High tensile strength
- + Suitable for surfaces
- + Can be welded with components of the same matrix
- + Clean processing
- + No special storage requirements (e.g. no cooling)
- + Moderate temperature recommendation: approx. 200 °C (392 °F)



Article number	617R15=5
Thickness	approx. 0,2 mm
Area	5 m ²
Fibre weight per unit area	200 g/m ²
Bond type	Twill 2/2
Fiber content	60 percent by weight
Resin content	40 percent by weight

TP.C Carbon Fibre UD

- + For high-strength, very thin orthoses on a thermoplastic material basis
- + For increasing bending rigidity
- + Matrix: polyamide 12
- + Can be thermoformed under pressure
- + High tensile strength
- + Always embed between 617R15=5 Carbon Fibre Woven
- + Can be welded with components of the same matrix
- + Clean processing
- + No special storage requirements (e.g. no cooling)
- + Moderate thermoforming temperature: approx. 200 °C (392 °F)

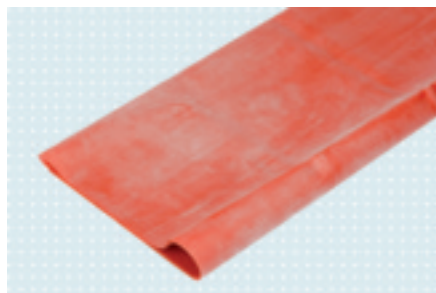


Article number	617R17=3
Thickness	approx. 0,15 mm
Area	3 m ²
Fibre weight per unit area	130 g/m ²
Bond type	UD
Fiber content	60 percent by weight
Resin content	40 percent by weight

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Silicone Foil

- + Processing aid for TP.C
- + Temperature stable
- + Highly elastic
- + Processing temperature: max. 240 °C (464 °F)

Article number	616F26=5000x1200
Length	5,000 mm
Width	1,200 mm
Colour	Red-brown

4

5



Bonding Agent

- + Universally applicable for sealing, adhering and coating
- + For adhering and repairing vulcanised silicone rubber
- + For sealing valves
- + Pasty consistency
- + Easy to process
- + Outstanding adhesion properties

Article number	617H46
Net contents	90 ml
Colour	transparent

 647H23

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Practical recommendation:

- During processing, a thin skin will form on the surface of the adhesive after one minute. Any shaping of the silicone adhesive must be completed before this skin starts to form. To shape transitions, a wetted modelling instrument or an ice cube have proven useful.

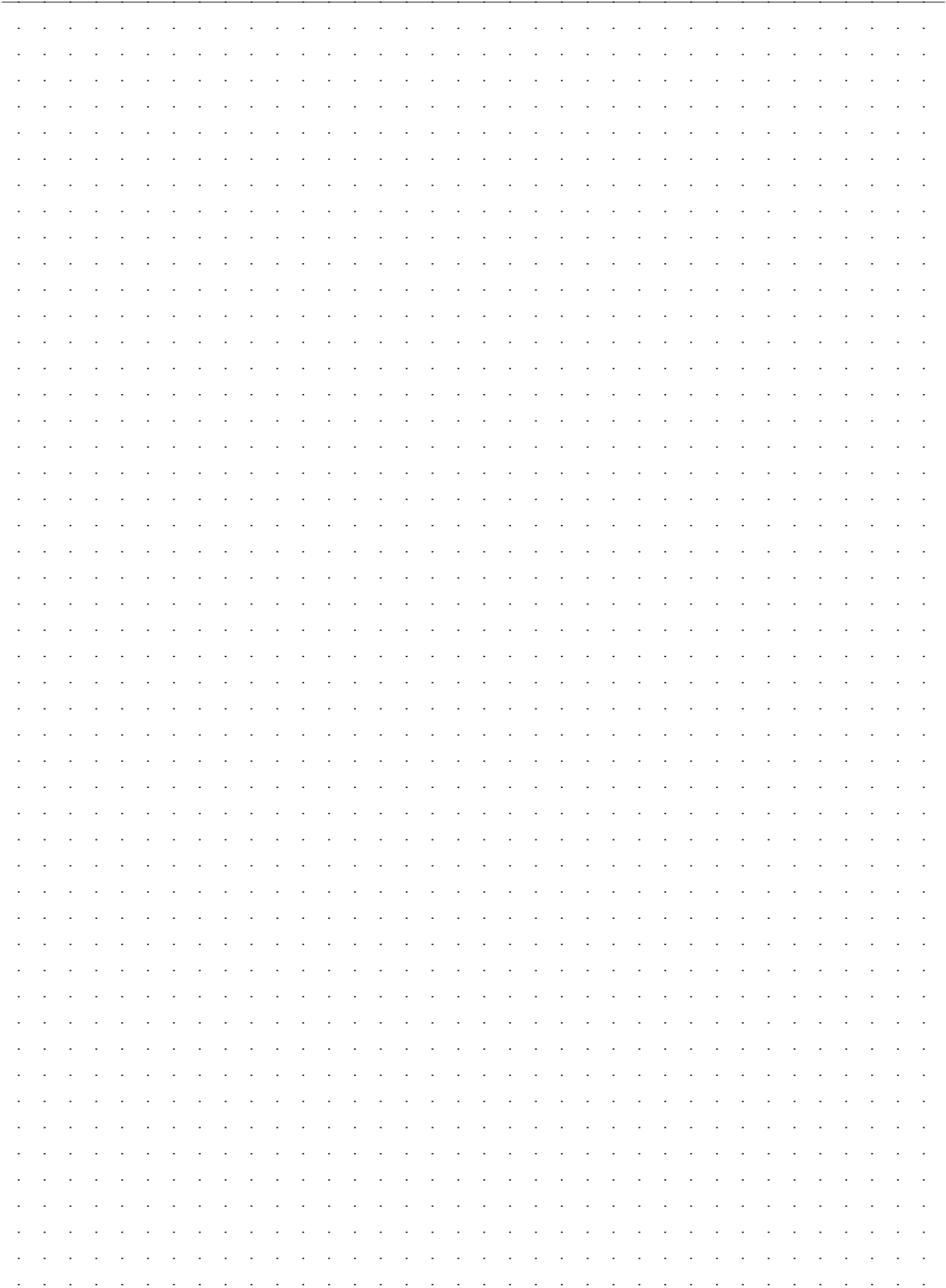
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Elastomers and Accessories

The use of silicones in orthopaedics technology has now reached a comprehensive stage. Applications range from the production of high-quality aesthetic finger or hand prostheses and functional and cosmetic partial foot prostheses to the fabrication of hygienic orthoses, all the way to precisely fitting face masks for scar compression treatment. Silicones can also be used for liners and socket comfort.

Ottobock uses silicone in its compression products, thus combining outstanding material properties with targeted pressure. By individually adapting the compression product to the patient's unique anatomy, even concave parts such as the palm of the hand can be modelled with silicone without overtensioning. Silicone also maintains the moisture in the skin. Irritated scar tissue areas can regain their elasticity and flexibility without the use of additional creams. The material also retains its form and flexibility independent of any strain placed on it. Consistent pressure and maximum compression benefits are assured, even for extended application.

In addition to the various treatment options, Ottobock also offers all the materials required for professionally processing silicones.

HIGHLIGHTS

642V15=1 Impresil



- + For producing flexible and clean impressions
- + Can be used for taking impressions and correcting trial fittings on the patient in many areas, including finger prostheses, partial hand prostheses, scar compression masks and gloves, partial foot prostheses, transfemoral and transtibial prostheses, liners as well as orthoses
- + Facilitates taking detailed impressions of the area to be cast
- + Clean processing regardless of environmental conditions
- + Does not stick to skin or hair, and is thus easy to demould
- + In contrast to plaster bandages, it leaves no residues on the skin
- + Can be reworked
- + Can be sanded
- + Saves time and material
- + Refillable
- + No irritating or allergenic components; therefore suited for application on unbroken skin (no open wounds)

85H11 Pastasil



- + For taking patient impressions, copying, modelling and making trial prostheses
- + Two-component RTV silicone material
- + Medical grade silicone
- + Fast-hardening, processing time approx. 2-5 minutes, depending on room temperature
- + Easy to sand
- + Subsequent application on cured Pastasil is possible

616S5 BetaSil



- + For customising a standard liner made of silicone (616S5=1: 1 spray gun, 15 mixers, 3 cartridges)
- + For fabricating silicone pads (616S5=2: 1 spray gun, 20 mixers, 5 cartridges)
- + Bonds with other silicones (85H11 Pastasil or 85P31 Chlorosil) and adheres to other plastics, provided these have a rough surface.
- + 2-component silicone
- + Ready to use
- + Clean processing regardless of environment
- + Curing time is about 5 minutes so that sufficient processing time remains even on elaborate casts

Silicone Rubber

- + For fabricating soft-walled sockets
- + Hardness approx. shore A 25
- + Shore hardness can be varied by mixing with 617H44 Silicone Rubber
- + Fast vulcanisation at room temperature (approx. 1 hour at 20 °C/68 °F)
- + Insensitive to detergent and temperatures up to 180 °C/356 °F
- + Hygienic

Article number	617H43=0.900	617H43=4.600
Net contents	0.9 kg	4.6 kg



Silicone Rubber

- + For fabricating pads and end bearing cushions
- + Hardness approx. 5° Shore A
- + Shore hardness can be varied by mixing with 617H43 Silicone Rubber
- + Fast vulcanisation at room temperature (approx. 1 hour at 20 °C/68 °F)
- + Insensitive to detergent and temperatures up to 180 °C/356 °F
- + Hygienic

Article number	617H44=0.900	617H44=4.600
Net contents	0.9 kg	4.6 kg



Practical recommendation:

- Because of its silicone structure, the mixture can be applied partially elevated, e.g. as padding over bony prominences

Catalyst

- + Catalyst for 617H43 Silicone Rubber and 617H44 Silicone Rubber

Article number	617H45=0.100	617H45=1
Net contents	0.1 kg	1 kg

	Silicone rubber	:	617H45 Catalyst
	90		10

- ½ - 1 parts resin colour paste, as necessary



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ProSeal Primer

- + Bonding agent for a variety of plastics
- + Primer for ProSeal Ring, for use in definitive socket
- + Basis: acrylate polymer
- + Universal application (except PVC)
- + Resistant to oil and softeners
- + Non-penetrating and discolouring characteristics

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Article number 636W107=0.125

Net contents 125 ml

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Danger

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Practical recommendation:

- ProSeal Primer 636W107=0.125 must be shaken thoroughly before using. Allow the surface to air dry for 30 – 90 seconds after application. Bonding should take place within one hour after applying the primer.
- The recommended processing temperature for ProSeal primer and material is between 15 °C/59 °F and 25 °C/77 °F.

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Bonding Agent

- + Universally applicable for sealing, adhering and coating
- + For adhering and repairing vulcanised silicone rubber
- + For sealing valves
- + Pasty consistency
- + Easy to process
- + Outstanding adhesion properties

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Article number 617H46

Net contents 90 ml

Colour transparent

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647H23

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Practical recommendation:

- During processing, a thin skin will form on the surface of the adhesive after one minute. Any shaping of the silicone adhesive must be completed before this skin starts to form. To shape transitions, a wetted modelling instrument or an ice cube have proven useful.

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Stabiliser

- + Stabiliser for 617H43 Silicone Rubber and 617H44 Silicone Rubber

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Article number 617H47=0.100

617H47=5

Net contents 0.1 kg

5 kg

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Silicone Parting Agent

- + For parting, gliding and lubricating
- + Protects rubber, plastic and elastomers from becoming brittle
- + Compact and solvent-free
- + CFC-free

Article number	519L5
Net contents	0.4 l



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Cyamet Quick-Drying Adhesive (Superglue)

- + For various applications
- + Possible material combinations that can be adhered together: polyethylene, polypropylene, rubber, leather, cork and metal
- + For adhering silicone rubber to acrylic resin laminates
- + Base: ethyl
- + Short curing time
- + Curing is accelerated by moisture
- + High mechanical strength

Article number	636K11
Net contents	20 g
Colour	transparent



i 646F297=GB

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Cyanoacrylate Quick-Drying Adhesive as Dosage Pen

- + For various applications
- + Possible material combinations that can be adhered together: polyethylene, polypropylene, rubber, textiles, felt, wood, laminates, leather, cork and metal
- + Base: ethyl
- + Dosing pen with twist cap facilitates high-precision application of the correct amounts of adhesive
- + Medium viscosity
- + Fast-hardening standard type

Article number	636K36
Net contents	30 g
Colour	transparent



646F297=GB

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Distal End Mould

- + For fabricating end bearing cushions
- + Washable and therefore reusable

Article number	99B18=1	99B18=2	99B18=3
For residual limb circumferences	Up to 50 cm	Up to 40 cm	Up to 30 cm



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646S1=3.06GB 647G363

Impresil

- + For producing flexible and clean impressions
- + Can be used for taking impressions and correcting trial fittings on the patient in many areas, including finger prostheses, partial hand prostheses, scar compression masks and gloves, partial foot prostheses, transfemoral and transtibial prostheses, liners as well as orthoses
- + Facilitates taking detailed impressions of the area to be cast
- + Clean processing regardless of environmental conditions
- + Does not stick to skin or hair, and is thus easy to demould
- + In contrast to plaster bandages, it leaves no residues on the skin
- + Can be reworked
- + Can be sanded
- + Saves time and material
- + Refillable
- + No irritating or allergenic components; therefore suited for application on unbroken skin (no open wounds)

Application example



Compensates for differences in shape and volume in scar compression fittings during trial fittings.



Compensates for differences in the shape and volume of prosthetic sockets for the upper and lower limbs and for orthotics during trial fitting.



For taking impressions on the patient, e.g. partial hand/partial foot prostheses.

8

Article number	642V15=1
Consisting of	1 dispenser 5 cartridges, 75 ml each (component A and component B) 20 static mixers

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Practical recommendation:

- To prevent the material from dripping, apply a maximum of 5 mm to vertical surfaces during each process step.
- Cool storage can increase the processing time.

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Refill pack: Impresil Carton Set

Article number	87A5
Consisting of	5 cartridges, 75 ml each (component A and component B) 10 static mixers



646S1=3.06GB 647G363

Pastasil

- + For taking patient impressions, copying, modelling and making trial prostheses
- + Two-component RTV silicone material
- + Medical grade silicone
- + Fast-hardening, processing time approx. 2-5 minutes, depending on room temperature
- + Easy to sand
- + Subsequent application on cured Pastasil is possible



Application example



Before working with 85H11 Pastasil, thoroughly clean and dry your hands – using protective gloves can adversely affect the vulcanisation process for silicones. Weigh off an amount of Pastasil (equal amounts of component A and B).



Stretch and fold both Pastasil components between your fingers several times until both components form a single-coloured mass.



Apply the Pastasil mixture to corresponding points. Before doing so, roughen these points and thoroughly clean them with 634A58 Isopropyl Alcohol.

Article number	85H11=1	85H11=5
Net contents	2 x 0.5 kg (1)	2 x 2.5 (5)
Packaging	2 plastic containers	2 plastic containers
Colour	skin colour	skin colour

	Component A	:	Component B
	1		1

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Chlorosil/Chlorosil Catalyst

- + For fabricating compression gloves, liners and other elastic fittings
- + HTV silicone
- + Components A + B (as a set)
- + Rollable
- + Thermostable
- + Cured material is highly robust
- + Subsequent bonding of Pastasil and Chlorosil is possible

Article number	85P11=2	85P11=9.6
Shore hardness	20° Shore A	20° Shore A
Net contents	2 × 1 kg (2)	2 × 4.8 kg (9.6)

	Component A 1	:	Component B 1
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Practical recommendation:

- Both materials must be carefully weighed and mixed with each other. The resulting mass is repeatedly rolled in a silicone roller until a high level of intermixture has been reached. At the same time the roller gap is used to determine the thickness of the material.



Chlorosil/Chlorosil Catalyst

- + For fabricating forefoot prostheses, finger and partial-hand prostheses as well as cosmetic covers
- + HTV silicone
- + Components A + B (as a set)
- + Rollable
- + Thermostable
- + Cured material is highly robust
- + Subsequent bonding of Pastasil and Chlorosil is possible

Article number	85P21=2	85P21=9.6
Shore hardness	35° Shore A	35° Shore A
Net contents	2 × 1 kg (2)	2 × 4.8 kg (9.6)

	Component A 1	:	Component B 1
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Practical recommendation:

- Both materials must be carefully weighed and mixed with each other. The resulting mass is repeatedly rolled in a silicone roller until a high level of intermixture has been reached. At the same time the roller gap is used to determine the thickness of the material.

Chlorosil/Chlorosil Catalyst

- + For fabricating orthoses and scar treatment aids as well as reinforcements
- + HTV silicone
- + Components A + B (as a set)
- + Rollable
- + Thermostable
- + Cured material is highly robust
- + Subsequent bonding of Pastasil and Chlorosil is possible



Article number	85P31=2	85P31=9.6
Shore hardness	65° Shore A	65° Shore A
Net contents	2 × 1 kg (2)	2 × 4.8 kg (9.6)

	Component A 1	:	Component B 1
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Practical recommendation:

- Both materials must be carefully weighed and mixed with each other. The resulting mass is repeatedly rolled in a silicone roller until a high level of intermixture has been reached. At the same time the roller gap is used to determine the thickness of the material.

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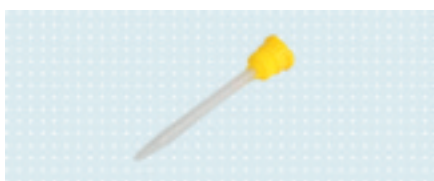


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647G637=1
647G637=2



2011 gold

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647G637=1
647G637=2

BetaSil

- + For customising a standard liner made of silicone (616S5=1: 1 spray gun, 15 mixers, 3 cartridges)
- + For fabricating silicone pads (616S5=2: 1 spray gun, 20 mixers, 5 cartridges)
- + Bonds with other silicones (85H11 Pastasil or 85P31 Chlorosil) and adheres to other plastics, provided these have a rough surface.
- + 2-component silicone
- + Ready to use
- + Clean processing regardless of environment
- + Curing time is about 5 minutes so that sufficient processing time remains even on elaborate casts

Application example



Reinforce the socket in the usual manner, recess only the required area and strengthen with 616G26=150 Polyester Spacer Fabric, then laminate.



Apply a dummy made of 85H11 Pastasil to the earmarked point. After curing, cut to size, sand and roughen from the outside. Also roughen the first casting and clean with 634A58 Isopropyl Alcohol. Place the Pastasil dummy, reinforce in the usual manner and then over-laminate.



Remove the Pastasil dummy, cut free the recess and sand the socket edge. Position the socket on the plaster model or duplicating foam. Fill the resulting pocket with 616S5 BetaSil from the distal side to the proximal side, by introducing the static mixer into the pocket at the beginning all the way to the lower end of the pocket. After vulcanisation of the BetaSil insert, sand it and position it at the intended point in the socket.

Article number	616S5=1	616S5=2
Consisting of	1 spray gun 15 mixers 3 cartridges	1 spray gun 20 mixers 5 cartridges


Refill Pack: BetaSil

Article number	616S6=1	616S6=2
Consisting of	1 carton of 15 mixers 3 cartridges	1 carton of 20 mixers 5 cartridges

Maxosil & Maxosil Catalyst

- + For fabricating Maxillo facial prostheses
- + To be used with Maxosil catalyst
- + HTV silicone
- + Liquid
- + Hardness approx. 35° Shore A following vulcanisation

Article number	85H71
Net contents	1kg Maxosil + 0.100 kg Maxosil catalyst

	Maxosil 10	:	Maxosil Catalyst 1
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Mixing Block

- + For mixing Maxosil
- + Block made of waxed paper
- + 150 mm x 210 mm

Article number	89M2
Order by	1 pc.



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Kun Gel Components A + B as a Set

- + For fabricating end bearing cushions and soft pads
- + 0.5 l of component A and 0.5 l of component B (as a set)
- + Silicone gels with very soft properties

Article number	85H31
Net contents	1 l

	Component A 1	:	Component B 1
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Nylon Sock

- + For taking plaster casts, e.g. for KAFOs
- + Suitable as a filter and final layer for lamination work
- + For reinforcing Pastasil
- + For vacuum technology with Chlorosil
- + Polyamide
- + Especially elastic
- + Not pre-impregnated

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Application example



Application example – vacuum forming in orthotics:

Pull 81A1 Nylon Sock over the plaster model, shorten to twice the model size, twist off and fold back again.

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 646D453=EN



Application example – vacuum forming in prosthetics:

Pre-tension the 81B1 Nylon Sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam. Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.

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With the welded seam turned inwards, pull the sock over the model.

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Article number	81A1=8	81A1=10	81A1=12	81A1=15	81A1=20
Length	101.5 m	84.6 m	67.8 m	52.5 m	48 m
Width	8 cm	10 cm	12 cm	15 cm	20 cm
Weight	1 kg	1 kg	1 kg	1 kg	1 kg

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Practical recommendation:

- Individually adaptable and weldable

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Fibersil

- + For three-dimensional colouring of silicones
- + Coloured viscose fibres
- + Intense colours
- + Large choice of colours











Article number	Net contents	Colour	
87Z1	75 g	white	
87Z2	75 g	Dark red	
87Z3	75 g	yellow	
87Z4	75 g	blue	
87Z5	75 g	red	
87Z6	75 g	black	
87Z7	75 g	brown	

Pigmisil

- + For opaque colouring of silicones
- + Pigment paste
- + Improved temperature stability
- + Less sedimentation
- + Intense colours
- + Large choice of colours



Article number	Net contents	Colour	
85Z1	25 g	white	
85Z2	25 g	skin colour	
85Z3	25 g	yellow	
85Z4	25 g	blue	
85Z5	25 g	red	
85Z6	25 g	black	
85Z7	25 g	Rust brown	
85Z8	25 g	Buffalo brown	

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Heptane

- + Solvent for silicones
- + For surface-etching unvulcanised Chlorisil 65° Shore A
- + For cleaning

Article number	83A2
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Net contents	0.25 l
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Silicone Remover

- + For cleaning, degreasing and safely removing traces of silicone
- + For cleaning rollers, work surfaces and tools
- + Highly effective cleaning agent

Article number	83A4
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Net contents	1 l
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Silicone Primer

- + Surface treatment for bonding silicones and other materials (plastic, metal)
- + Good adherence to substrate
- + Provides very good adherence

Article number	83L1
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Net contents	50 ml
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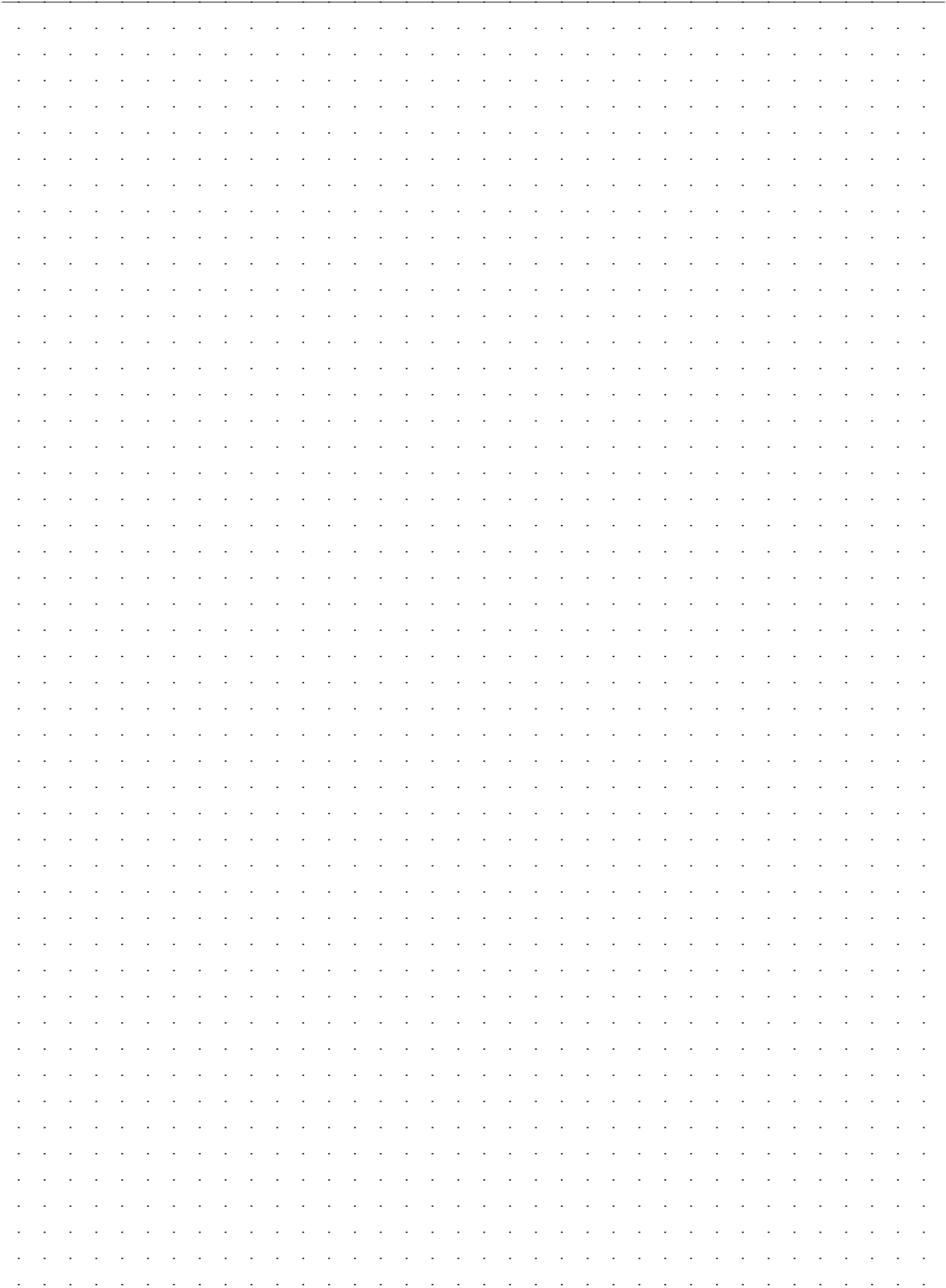
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Putties, Varnishes, Adhesives and Adhesive Tapes



The range of adhesives for use in orthopaedics technology has become so varied that it has become quite difficult for technicians to make the right choice of adhesives for their working methods and application. Take advantage of our experience and expertise in the use of adhesives.

Modern adhesives bring a significant increase in quality, especially in terms of adhesive bonding. Different properties can be achieved depending on the composition of the raw materials. In order to bond the greatest possible range of materials, Ottobock offers a large number of adhesives for all types of applications.

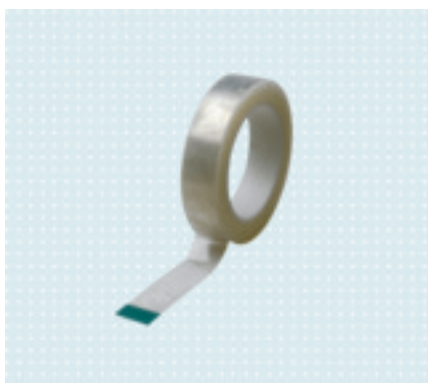
HIGHLIGHTS

636K40 Spray Adhesive
(removable)



- + Can be repositioned
- + Glued joints can be separated with thin adhesive application on one side only (permanent glued joint when application is heavy and/or on both sides)
- + UV-resistant
- + No discolouration or curling, does not bleed through
- + Thin, evenly distributed adhesive application
- + High yield (about 13 m²)

627B40 Polyethylene
Adhesive Tape



- + For sealing damaged PVA sheeting
- + The proven classic material!
- + Versatile in application
- + Base material: PE sheeting
- + Acrylic adhesive material
- + High elasticity
- + High resistance to tearing
- + Thermally stable

636K8=20x2x10 Plastaband



- + For sealing, filling and protection in conjunction with lamination applications
- + Ideal for isolating, e.g. orthotic joints while laminating
- + Base: synthetic rubber
- + Easy to remove from mould
- + Temperature resistant

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Orthocryl Putty

- + For fixing and filling a variety of materials
- + For applying to splints in wood and plastic sockets
- + Used with 617P14 Hardener Paste
- + Base: polyester resin solution in methyl methacrylate
- + Easy to sand
- + Quick curing
- + Good elasticity

Article number	636K7=1
Net contents	1 kg
Colour	grey

	636K7 Orthocryl Putty 100	:	617P14 Hardener Paste 3
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 646F297=GB

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Akemi Fast Curing Putty

- + For fixing and filling a variety of materials
- + For applying to splints in wood and plastic sockets
- + Used with 617P14 Hardener Paste
- + Base: unsaturated polyester resins dissolved in styrene
- + Quick curing
- + Good adhesive qualities
- + Good elasticity

Article number	636K9=1	636K9=2	636K9=6
Net contents	1 kg	2 kg	6 kg

	636K9 Akemi Fast-Curing Putty 100	:	617P14 Hardener Paste 3
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 646F297=GB

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Lightweight Putty

- + For fixing and filling a variety of materials
- + Particularly suitable for narrowing wood and plastic sockets
- + Works well with materials commonly used in orthopaedic technology, e.g., wood, lamination resin, plastic
- + The proven classic material!
- + Used with 617P14 Hardener Paste
- + Base: unsaturated polyester resins with special light fillers dissolved in styrene
- + Can be coloured with Ottobock resin colour pastes
- + Very low density
- + Easy to sand
- + Quick curing
- + Good adhesive qualities

Article number	636K17=0.960	636K17=1.940
Net contents	0.96 kg	1.94 kg

	636K17 Light Putty 100	:	617P14 Hardener Paste 3
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 646F297=GB  646A230=GB

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Hardening Paste

- + For 636K7 Orthocryl Putty, 636K9 Akemi Fast Curing Putty, 636K17 Lightweight Putty as well as 636K18 Sealing Resin Compact Adhesive
- + Thixotropic
- + Good miscibility
- + Facilitates quick curing

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Article number	617P14=0.028	617P14=0.150	617P14=0.500
Net contents	0.028 kg	0.15 kg	0.5 kg

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	Putty 100	:	617P14 Hardener Paste 3
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Plastic Wood

- + For cementing holes, cracks and irregularities in wood
- + Base: acetone, nitrocellulose, camphor, titanium dioxide
- + Sanding possible after 15 minutes

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Article number	636K3
Net contents	0.89 kg

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 646F297=GB

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Practical recommendation:

- 634A1 Thinner and Solvent can be used to obtain the required viscosity.

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Special Varnish

- + Interior and exterior socket varnish
- + Varnishing parchmentised prostheses and other wooden and metal parts
- + 634A31 suitable as a thinner
- + Base: cellulose



Article number	635L2=2.225	635L2=11.150
Net contents	2.225 kg	11.15 kg
Colour	transparent	transparent



i 646F297=GB

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Thinner for 635L2 Special Varnish

- + For thinning and as a cleaning agent for 635L2 Special Varnish



Article number	634A31=0.800	634A31=4
Net contents	0.8 kg	4 kg



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Socket Interior Varnish

- + Socket Interior Varnish
- + For wooden and lamination resin sockets
- + 634A1 suitable as a thinner
- + Base: acrylic



Article number	635L8
Net contents	0.98 kg
Colour	transparent



i 646F297=GB

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Orthocryl Varnish

- + High quality 1-component acrylic-based topcoat for metals, wood and various plastics
- + For insulating damp plaster models
- + For varnishing sanded laminate surfaces
- + Base: synthetic adhesive agent and solvent
- + Resistant to touch after approx. 1 hour and fully cured after approx. 24 hours
- + Can be coloured with Ottobock resin colour pastes
- + 634A1 suitable as a thinner



i 646F297=GB

Article number	635L12
Net contents	0.95 kg
Colour	transparent

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Thinner and Solvent

- + For thinning and as a cleaning agent, e.g. for 635L8 Special Socket Varnish as well as 635L12 Orthocryl Varnish
- + For washing off varnish
- + For cleaning and degreasing, e.g. metals, wood, parchment
- + Excellent thinner and solvent
- + Can also be used for working the edges of check sockets such as ThermoLyn rigid



Danger

Article number	634A1=0.950	634A1=5	634A1=10	634A1=25
Net contents	0.95 kg	5 kg	10 kg	25 kg

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Practical recommendation:

- We recommend the 642K13 Filling Set for 25 kg containers

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Orthocryl Varnish

- + For insulating damp plaster models
- + For smoothing and repairing sanded laminate
- + For achieving a glossy surface
- + Base: toluol-acetone-xylyl solvent mixture
- + CFC-free spray can



Danger

i 646F297=GB

Article number	635L14
Net contents	0.4 l
Colour	transparent

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Spray Varnish

- + For insulating damp plaster models
- + For coating sanded laminate
- + For a matt, natural varnish surface
- + Pigment binding agent spray varnish
- + CFC-free spray can

Article number	635L13
Net contents	0.4 l
Colour	skin colour



 646F297=GB

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Spray Varnish

- + For insulating damp plaster models
- + For coating sanded laminate
- + For a matt, natural varnish surface
- + Pigment binding agent spray varnish
- + CFC-free spray can

Article number	635L16
Net contents	0.4 l
Colour	Dark brown



 646F297=GB

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Dipping Varnish

- + For colouring Pedilan casting forms, e.g. feet
- + Base: polyurethane
- + Sensitive to moisture

Article number	635L15=B0.850
Net contents	0.85 kg
Colour	Brown (B)



 646F297=GB

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Practical recommendation:

- For immersion varnishing, we recommend 754W11 Paint Container for approx. 6 litres contents

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Acetone

- + Universally applicable, e.g. for thinning and as a cleaning agent
- + Base: acetone, dimethylketone
- + Chemically pure
- + Very volatile
- + Good degreasing properties

Article number	634A3=0.700	634A3=4.200	634A3=8.400	634A3=20
Net contents	0.7 kg	4.2 kg	8.4 kg	20 kg
Colour	transparent			



i 646F297=GB

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SuperSkin Cleaner

- + For cleaning Pedilan lightweight feet and laminate as well as for etching the surface of Ottobock prosthetic feet before spraying
- + For cleaning the high-performance spray gun and other foam-finishing tools
- + Can also be used for working the edges of ThermoLyn clear and ThermoLyn PETG clear

Article number	634A80=1	634A80=2.5
Net contents	0.75 kg (1)	1.9 kg (2.5)



i 646T7=4.8D

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Practical recommendation:

- Do not use as thinner.

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Isopropyl Alcohol

- + For cleaning sensitive plastics such as PVC, PS and acrylic
- + Cleaning agent for Ottobock prosthetic gloves and for degreasing, etc.
- + For removing permanent markings
- + Base: dimethylcarbinol, 2-hydroxypropane, 2-propanol
- + Chemically pure

Article number	634A58
Net contents	1 l
Colour	transparent



i 646F297=GB

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Contact Adhesive

- + For adhering flexible materials
- + Particularly for adhering profiled rubber, wood-based materials, laminated boards, veneer and plastic edging, rubber, leather, felt, fabric, cork, flexible foam, hard PVC, metal and ceramics
- + The proven classic for all workshops!
- + Versatile in application
- + Not suitable for Styrofoam and soft PVC
- + 634A6 suitable as a thinner
- + Base: methyl acetate
- + Short drying time
- + Good resistance to ageing
- + Heat resistant up to approx. 100 °C/212 °F



 646F297=GB  646A174=GB

Article number	636N9=0.660	636N9=4.500
Net contents	0.66 kg	4.5 kg
Colour	Yellowish	Yellowish



Practical recommendation:

- Stir before use. The surfaces/parts to be glued must be dry and free of dust, oil and grease.
- For rubber, thermosetting plastics and similar materials, we recommend roughening the surfaces.
- Apply contact adhesive to both sides that are to be adhered together. After a drying time of 5 – 20 minutes (depending on the thickness of the application and the temperature), press the parts together briefly and firmly.
- Contact adhesive must not be stored below +10 °C (+50 °F) and not above +25 °C (+77 °F). The containers must be protected from direct sunlight and heat. When kept in a cool, dry place, the unopened original containers can be stored for at least 1 year.

Thinner for 636N9 Contact Adhesive

- + For thinning and as a cleaning agent for 636N9 Contact Adhesive

Article number	634A6
Net contents	0.8 kg



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CP Contact Adhesive

- + For flexible adhesions, particularly in orthopaedic technology
- + 634A71 suitable as a thinner
- + Base: polychloroprene, colophonium
- + Toluol-free
- + Adheres materials commonly used in orthopaedics technology
- + Adhesions are more flexible than with 636W72 CR Contact Adhesive
- + Can also be applied as a 2-component system, to increase thermal stability

Article number	636W71=4	636W71=10
Net contents	4 kg	10 kg



i 646F297=GB



Practical recommendation:

- Lightly sand or roughen the materials; the surface must be free of grease and parting agents.
- Apply a thick layer of adhesive to the materials to allow the formation of a good bonding film.
- The drying process can be accelerated by applying heat.
- Depending on the material combination the drying time is 10 to 60 minutes.
- After joining and pressing together the components, let them rest for a few hours.



CR Contact Adhesive

- + For adhesions, particularly in orthopaedic shoe technology and for industrial applications
- + 634A71 suitable as a thinner
- + Base: polychloroprene
- + Toluol-free
- + Can also be applied as a 2-component system, to increase thermal stability
- + Large series can be processed by means of long drying time

Article number	636W72=4	636W72=10
Net contents	4 kg	10 kg
Colour	transparent	transparent



i 646F297=GB



Practical recommendation:

- Similar to CP contact adhesive, however, thin foams should be wiped with 634A71 Universal Thinner.
- Depending on the material combination, the drying time is 15 to 120 minutes.

Thinner for CP/CR Contact Adhesive

- + For thinning CP/CR contact adhesive
- + Universal Thinner
- + For cleaning, e.g. application devices, brushes etc.
- + Optimum control of the viscosity of contact adhesives
- + Strongly penetrating solvent
- + Good mixing behaviour

Article number	634A71=0.8	634A71=4
Net contents	0.8 kg	4 kg



Universal Adhesive

- + For non-flexible adhesions
- + For application in contact-adhesion processes with closed-pore materials
- + Especially developed for orthopaedics and shoe technology
- + 634A1 suitable as a thinner
- + Base: cellulose
- + Resistant to water and perspiration

Article number	636W1=0.865	636W1=4.540
Net contents	0.865 kg	4.54 kg
Colour	transparent	transparent



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Thinner and Solvent

- + For thinning and as a cleaning agent, e.g. for 635L8 Special Socket Varnish as well as 635L12 Orthocryl Varnish
- + For washing off varnish
- + For cleaning and degreasing, e.g. metals, wood, parchment
- + Excellent thinner and solvent
- + Can also be used for working the edges of check sockets such as ThermoLyn rigid

Article number	634A1=0.950	634A1=5	634A1=10	634A1=25
Net contents	0.95 kg	5 kg	10 kg	25 kg



Practical recommendation:

- We recommend the 642K13 Filling Set for 25 kg containers

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Storage Container

- + E.g. for adhesives and varnish
- + Plastic
- + With flat brush

2

Article number	754M4=0.45	754M4=0.9	754M4=1.5
Weight	0.180 kg	0.330 kg	0.385 kg
Net contents	0.45 l	0.9 l	1.5 l

3



Parchment Cold Glue

- + For glueing wood, felt and for parchmentizing
- + Also for low processing temperatures
- + Base: polyvinyl acetate
- + Ready for use
- + Can be diluted with water
- + Medium setting time

4

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i 646F297=GB

Article number	636W9=0.800
Net contents	0.8 kg
Colour	transparent

6



Special Adhesive for Bandages

- + Contact adhesive for orthopaedic and shoe technology
- + EVA, cork, PUR, leather, rubber, PE, PP, textiles, felt, Styrofoam and wood can be adhered together and to each other
- + Homopolymer polyvinyl acetate dispersion, approx. 63% in water
- + The adhesive film is very flexible
- + Can be diluted with water
- + Solvent-free

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i 646F297=GB

Article number	636N10=0.500
Net contents	0.5 kg
Colour	transparent

9



Practical recommendation:

- Lightly sand or roughen the materials; the surface must be free of grease and parting agents.
- Depending on the material combination and on the method of application, the drying time is 30 to 60 minutes. The adhesive film must have become transparent.
- The drying process can be accelerated by applying heat.

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Plastic Adhesive

- + For flexible adhesions, e.g. cosmetic foams
- + For adhering leather that contains grease
- + For stiffening foam covers
- + 634A20 suitable as a thinner
- + Base: polyurethane
- + Short drying time
- + Heat activation is possible even after several days
- + Sensitive to moisture

Article number	636W17
Net contents	0.68 kg
Colour	transparent



Practical recommendation:

- Roughen and remove sanding dust from the bonding surfaces before applying adhesive. Stir the adhesive well before applying. Apply adhesive to both surfaces and allow to air dry for approx. 10 – 20 minutes. Bring the surfaces to be adhered together (a strong pulling force should be felt) and press.
- To stiffen foam covers, thin the adhesive with 634A20 Thinner for 636W17 Plastic Adhesive until it is easy to spread with a brush, and use a fine brush to apply it on the foam. The drying process can be shortened by applying hot air. Clean the tools with 634A20 Thinner for 636W17 Plastic Adhesive.

Thinner for 636W17 Plastic Adhesive

- + For thinning and as a cleaning agent for 636W17 Plastic Adhesive

Article number	634A20
Net contents	0.8 kg



PU Adhesive

- + For extra-high-strength and also flexible adhesions
- + 634A23 suitable as a thinner
- + Base: polyurethane synthetic solution
- + When used with 5% 636W26 Cross-Linking Agent, heat resistant to 120°C (248 °F)
- + Heat activation possible (+80°C (+176 °F))
- + Sensitive to moisture

Article number	636W25=0.600
Net contents	0.6 kg



1



Cross-Linking Agent

- + For cross-linking 636W25 PU Adhesive
- + Short reaction time
- + Sensitive to moisture

2

Article number 636W26=0.050

Net contents 0.05 kg



636W25 PU Adhesive
100

:

636W26 Cross-Linking Agent
approx. 6

3

4



Thinner for 636W25 PU Adhesive

- + For thinning and as a cleaning agent for 636W25 PU Adhesive
- + For washing PUR and PVC materials

5

Article number 634A23=0.800

Net contents 0.8 kg



Danger

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Special adhesive

- + For OrthoGel liner

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Article number 635C5

Net contents 50 g



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PUR Foam Adhesive

- + For adhering PUR foams, PUR-EVA bonds and other materials (e.g. connection caps for prosthetic feet, foam connecting caps)
- + Ready for spraying
- + Highly elastic

Article number	636W58
Net contents	0.65 kg
Colour	transparent



646T7=4.8D



Practical recommendation:

- Please apply thinly.

Contact Adhesive

- + For flexible adhesions
- + 634A59 suitable as a thinner
- + Base: polychloroprene
- + Heat resistant to +120 °C (+248 °F)
- + Easy to apply by brushing
- + Good resistance to ageing
- + Free of aromatic solvents

Article number	636W45
Net contents	0.65 kg
Colour	Yellowish transparent



646F297=GB

Thinner for 636W45 Contact Adhesive

- + For thinning and as a cleaning agent for 636W45 Contact Adhesive

Article number	634A59
Net contents	1 l



1



Neoprene® Adhesive

- + For adhering, especially Neoprene® and many textiles
- + 634A67 suitable as a thinner
- + Base: polychloroprene
- + Fast acting adhesive
- + Sprayable when thinned

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i 646F297=GB

Article number	636W65=0.800	636W65=3.800
Net contents	0.8 kg	3.8 kg
Colour	brown	brown

4



Thinner for 636W65 Neoprene® Adhesive

- + For thinning and as a cleaning agent for 636W65 Neoprene® Adhesive

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Article number	634A67=0.700	634A67=1.750
Net contents	0.7 kg	1.75 kg

7



UHU Hard

- + Fast drying solvent-type adhesive
- + Base: cellulose nitrate
- + Low tendency to string while processing
- + Adhesion shows fast drawing
- + Good adhesion on balsa, wood, wood-based materials, also in conjunction with metal and other silicate materials as well as many plastics
- + Dissolvable with 634A3 Acetone

8



i 646F297=GB

Article number	636W22
Net contents	35 ml
Colour	clear

9

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Rubber Adhesive

- + For flexible and heat-resistant adhesions
- + Base: polychloroprene
- + Heat resistant to +90 °C (+194 °F)
- + Can be applied by brush
- + Can be applied by spatula
- + High drawing capacity
- + Good contacting characteristics

11



i 646F297=GB

Article number	636W34
Net contents	60 g
Colour	beige

12

Neopren® is a registered trademark of DuPont.

UHU-Plus, final strength 300

- + For strong adhesions
- + Two-component adhesive
- + Base: bisphenol-A epoxy resin (A), polyaminoamide (B)
- + By varying the amount of hardener, it is possible to obtain a harder or softer final product (the normal mixing ratio is 1:1 parts by volume, i.e. use same length of paste from the tubes)
- + Also cures under exclusion of air



Article number	636W23
Net contents	8.5 g binder and 6.5 g hardener
Colour	Honey-coloured



i 646F297=GB



Practical recommendation:

- The higher the curing temperature (up to approximately +180 °C (+356 °F)), the higher the strength of the adhesion.
- Using the 642B2 Measuring Cup has proven useful for mixing.
- Can be applied with the 699Y3 Wooden Spatula.

Orthocryl Sealing Resin Compact Adhesive

- + For adhering e.g. wood, plastics, leather
- + Used with 617P14 Hardener Paste or 617P37 Hardening Powder
- + Base: solution of an acrylic polymer in methacrylic esters
- + Thixotrope



Article number	636K18
Net contents	1 kg
Colour	transparent



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Practical recommendation:

- Recommended for parting components prior to laminating

Hardening Paste

- + For 636K7 Orthocryl Putty, 636K9 Akemi Fast Curing Putty, 636K17 Lightweight Putty as well as 636K18 Sealing Resin Compact Adhesive
- + Thixotropic
- + Good miscibility
- + Facilitates quick curing



Article number	617P14=0.028	617P14=0.150	617P14=0.500
Net contents	0.028 kg	0.15 kg	0.5 kg



	Putty 100	:	617P14 Hardener Paste 3
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High-Performance Two-Component Adhesive

- + For high-strength adhesions
- + For metals, hard materials and plastics
- + Base: epoxy resin and pigments (A), polyaminoamide (B)
- + Thixotrope

2

Article number	636M2
Net content component A	70 g
Net content component B	60 g



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646F297=GB

4



Special adhesive

- + For adhering metal to wood
- + Especially for unilateral system splints and E-MAG knee joints
- + Base: epoxy resin and pigments (A), polyaminoamide (B)
- + Pasty consistency
- + Highest strength values when cured between 40 and 120 °C (104 and 248 °F)
- + In conjunction with 636W19 Hardener
- + Solvent-free

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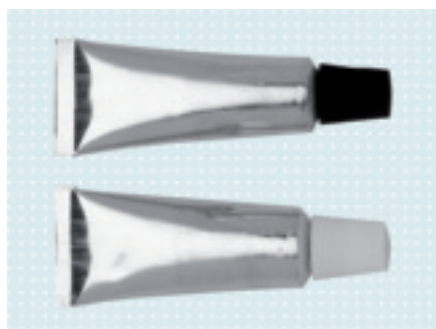


646F297=GB

Article number	636W18
Net contents	0.1 kg
Packaging	Tube

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Special adhesive

- + For adhering foot adapters
- + For adhering splint systems, e.g. unilateral
- + Combination package of 10 g adhesive and 10 g hardener

8

Article number	636W28
Net contents	10g adhesive and 10g hardener

9



Hardener

- + For 636W18 Special Adhesive
- + Pasty consistency
- + Good full curing

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Article number	636W19
Net contents	0.1 kg
Packaging	Tube

11



	636W18 Special Adhesive	:	646W19 Hardener
	100		70

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Cyamet Quick-Drying Adhesive (Superglue)

- + For various applications
- + Possible material combinations that can be adhered together: polyethylene, polypropylene, rubber, leather, cork and metal
- + For adhering silicone rubber to acrylic resin laminates
- + Base: ethyl
- + Short curing time
- + Curing is accelerated by moisture
- + High mechanical strength

Article number	636K11
Net contents	20 g
Colour	transparent



i 646F297=GB

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Cyanoacrylate Quick-Drying Adhesive as Dosage Pen

- + For various applications
- + Possible material combinations that can be adhered together: polyethylene, polypropylene, rubber, textiles, felt, wood, laminates, leather, cork and metal
- + Base: ethyl
- + Dosing pen with twist cap facilitates high-precision application of the correct amounts of adhesive
- + Medium viscosity
- + Fast-hardening standard type

Article number	636K36
Net contents	30 g
Colour	transparent



646F297=GB

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Spray Adhesive (removable)

- + Can be repositioned
- + Glued joints can be separated with thin adhesive application on one side only (permanent glued joint when application is heavy and/or on both sides)
- + UV-resistant
- + No discolouration or curling, does not bleed through
- + Thin, evenly distributed adhesive application
- + High yield (about 13 m²)

Article number	636K40
Net contents	500 ml
Colour	colourless



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Spray Adhesive (permanent)

- + High-yield adhesive for a wide range of applications
- + Rapid processing
- + Thin, evenly distributed adhesive application on one or both sides
- + Adjustable spray widths
- + Even, fine spray pattern with good water and ageing resistance

Article number	636K41
Net contents	500 ml
Colour	colourless



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Loctite® 241

- + As thread lock up to thread M12
- + Medium strength
- + Easy dosing
- + Anaerobically hardening adhesive

2

Article number	636K13
Net contents	50 ml
Colour	blue

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4



Practical recommendation:

- Can be activated and loosened by applying heat.

5



Loctite® 601

- + As thread lock up to thread M12
- + High strength
- + Easy dosing
- + Anaerobically hardening adhesive

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Article number	636K14
Net contents	50 ml
Colour	green

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Practical recommendation:

- Can be activated and loosened by applying heat.

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Loctite® is a registered trademark of Loctite.

Loctite® 245

- + As thread lock up to thread M80
- + Medium strength
- + Easy dosing
- + Anaerobically hardening adhesive

Article number	636K12
Net contents	50 ml



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Practical recommendation:

- Can be activated and loosened by applying heat.

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Loctite® 242

- + As thread lock for electric hand, up to thread M36
- + Medium strength
- + Easy dosing
- + Anaerobically hardening adhesive

Article number	636W46
Net contents	10 ml



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Practical recommendation:

- Can be activated and loosened by applying heat.

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Loctite® 243

- + As thread lock for electric hand, up to thread M36
- + Also hardens on brass
- + Medium strength
- + Easy dosing
- + Anaerobically hardening adhesive
- + High resistance to temperature and oil

Article number	636W60
Net contents	50 ml



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Practical recommendation:

- Can be activated and loosened by applying heat.

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Loctite® is a registered trademark of Loctite.

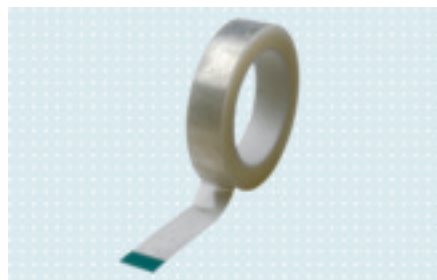
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 646A230=GB



Polyethylene Adhesive Tape

- + For sealing damaged PVA sheeting
- + The proven classic material!
- + Versatile in application
- + Base material: PE sheeting
- + Acrylic adhesive material
- + High elasticity
- + High resistance to tearing
- + Thermally stable

Application example



Apply 627B40 Polyethylene Adhesive Tape around the areas that are to be opened after laminating; while doing so, excessive resin in these areas can be reduced with the pre-tensioned adhesive tape. With a given pre-tensioning, the adhesive tape can be twisted to a cord so that excess resin can also be reduced in areas that are difficult to access.

Article number	627B40
Length	33 m
Width	25 mm
Colour	transparent
Order by	1 roll

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Polyethylene Adhesive Tape

- + For sealing damaged PVA sheeting
- + Base material: PE sheeting
- + Rubber adhesive
- + High abrasion resistance
- + Good resistance to chemical action

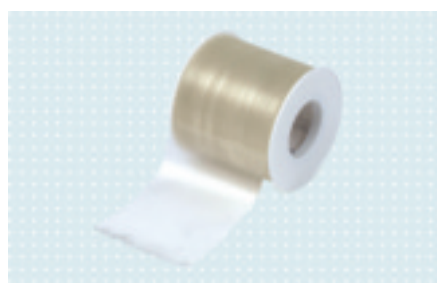
Article number	627B4
Length	50 m
Width	25 mm
Colour	transparent
Order by	1 roll

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PVC Adhesive Tape (Coroplast)

- + For masking PVC sheeting
- + Suitable for trial fittings
- + The proven classic material!
- + Versatile in application
- + Base material: soft PVC sheeting
- + Acrylic adhesive material
- + Thermally stable

Article number	616F8
Length	10 m
Width	50 mm
Colour	transparent
Order by	1 roll

Linen Adhesive Tape

- + For sealing, closing and reinforcing, used in conjunction with lamination resin applications
- + Versatile in application
- + Base material: open mesh
- + Rubber adhesive
- + High resistance to tearing
- + High adhesive strength

Article number	627B1=19	627B1=25	627B1=50
Length	50 m	50 m	50 m
Width	19 mm	25 mm	50 mm
Colour	Raw white	Raw white	Raw white
Order by	1 roll	1 roll	1 roll



 646A230=GB



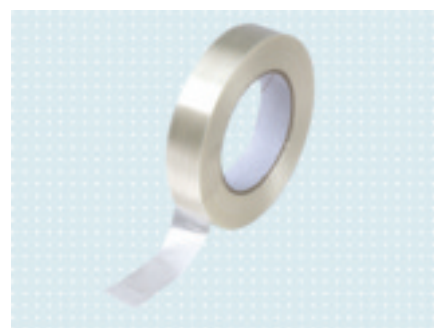
Practical recommendation:

- Subsequent inscription on 627B1 Linen Adhesive Tape is possible, so that it is suitable for labelling

Monofilament Adhesive Tape

- + For securing prosthetic sockets
- + Fibreglass reinforced PP adhesive tape
- + Rubber adhesive
- + Extremely high resistance to tearing

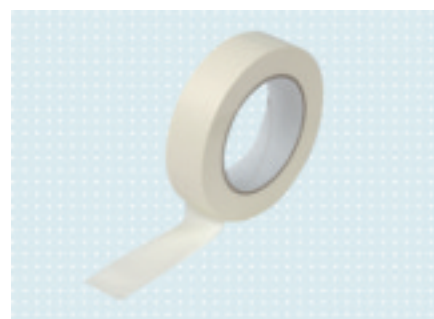
Article number	627B2=19	627B2=25
Length	50 m	50 m
Width	19 mm	25 mm
Colour	transparent	transparent
Order by	1 roll	1 roll



Crepe Adhesive Tape

- + For masking particular areas for isolation during painting and isolating work, e.g. SuperSkin
- + For temporary fixation
- + Base material: special paper
- + Rubber adhesive
- + Good adhesion on various surfaces
- + Easy to tear by hand
- + Inscrutable

Article number	627B6=15	627B6=30
Length	50 m	50 m
Width	15 mm	30 mm
Colour	Chamois	Chamois
Order by	1 roll	1 roll



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Silkafax Adhesive Tape

- + For fixation when applying lamination resin technique
- + Versatile in application
- + Base material: woven artificial silk made of 100% acetate
- + Acrylic adhesive material
- + Good adhesion
- + Can be torn lengthwise and crosswise
- + Leaves no residues on the skin

2

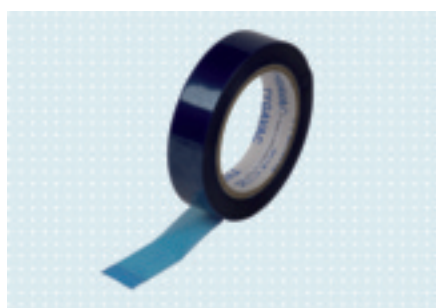
3



Article number	627B7=25
Length	5 m
Width	25 mm
Colour	white
Order by	1 roll

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Adhesive Tape for Vacuum Technique

- + For fixation when applying lamination resin technique
- + Used in Malmö technique
- + Versatile in application
- + Base material: PE sheeting
- + Base for adhesive made of silicone
- + Thermally stable to approx. 200 °C (392 °F)

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Article number	636D3
Length	66 m
Width	25 mm
Colour	blue
Order by	1 roll

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Double-Sided PVC Adhesive Tape

- + For double sided adhering of PVC sheeting
- + Applying reinforcement materials, e.g. carbon
- + Without base material
- + Double sided acrylic adhesive mass
- + Transparent (covered with greaseproof paper)
- + Conforms to contours extremely well
- + Highly effective with minimal use of materials

Application example



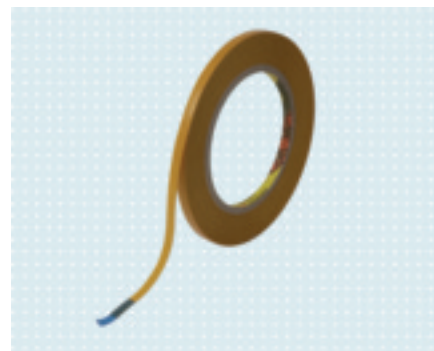
By pulling out a weft thread running close to the cut edge, check that the weft thread of the 616G12 Carbon Fibre Cloth is running a straight course.



Pull the carbon fibre cloth straight to such a degree that the resulting mesh loop runs 90° to the warp. Using 616F10 Double Sided PVC Adhesive Tape, tape over the resulting mesh loop and cut the carbon fibre cloth centrally along the adhesive tape. After these preparations have been completed, tailored carbon fibre sections can be made that have a 90° alignment between the warp and the weft. In this way the carbon fibres are not only aligned in accordance with the arising forces, they can also absorb these optimally.



Position the tailored carbon fibre sections on those parts of the reinforcements that are to be strengthened, and at the same time pre-tension them in the fibre directions.



 646A230=GB



Article number	616F10=6	616F10=9	616F10=19
Length	55 m	55 m	55 m
Width	6 mm	9 mm	19 mm
Colour	transparent	transparent	transparent
Order by	1 roll	1 roll	1 roll

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Double-Sided Adhesive Tape

- + For adhering e.g. inner socket to outer frame
- + Not suitable for reinforcement materials
- + Base material: PE sheeting
- + Double sided acrylic adhesive mass
- + Transparent (covered with red parting sheeting)
- + Good frame fixation (Hook-and-loop closure not required)
- + High adhesive strength on various materials, e.g. plastics
- + Good temperature resistance

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Application example



Use 634A58 Isopropyl Alcohol to clean the surfaces that are to be bonded (here the inner socket and the frame). Cut 633D5 Double Sided Adhesive Tape to the required length.

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Place the tailored adhesive tape strips on the corresponding surfaces and press them on.

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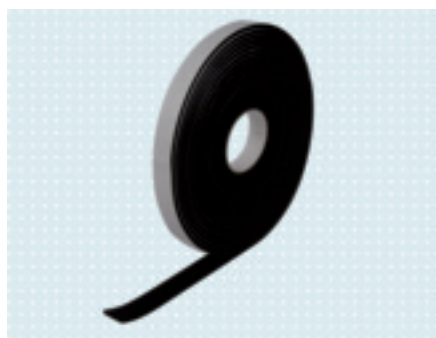
Join and position the frame and inner socket. Press the inner socket together and remove the red protective film from the double sided adhesive tape. Now firmly press both components together at the points to be bonded.

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Article number	633D5=9	633D5=19	633D5=50
Length	50 m	50 m	50 m
Width	9 mm	19 mm	50 mm
Colour	transparent	transparent	transparent
Order by	1 roll	1 roll	1 roll

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Neoprene® Cell Rubber Tape

- + For sealing, isolating, vacuum forming and foaming
- + Base material: foam
- + Rubber adhesive
- + Good resisting properties, e.g. against oils and greases
- + High-quality seal against water

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Article number	627B5=19	627B5=25	627B5=50
Length	10 m	10 m	10 m
Width	19 mm	25 mm	50 mm
Thickness	4 mm	4 mm	4 mm
Colour	black	black	black
Order by	1 roll	1 roll	1 roll

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Neopren® is a registered trademark of DuPont.

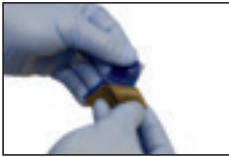
Plastaband

- + For sealing, filling and protection in conjunction with lamination applications
- + Ideal for isolating, e.g. orthotic joints while laminating
- + Base: synthetic rubber
- + Easy to remove from mould
- + Temperature resistant

Application example



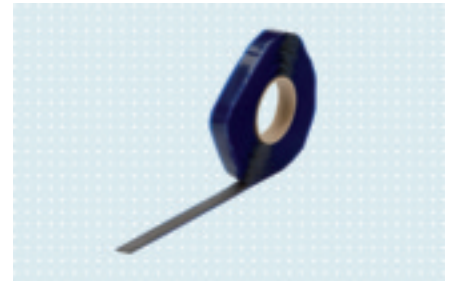
Cut 636K8 Plastaband to the required length.



Detach the blue separating film from the plastaband and pre-shape the plasta tape.



Using the pre-formed plastaband, isolate the corresponding areas of the objects that will be included in the laminate (e.g. screw heads, bare threads, joint surfaces).



Article number	636K8=20x2x10
Length	10 m
Width	20 mm
Thickness	2 mm
Colour	grey

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Padding

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A variety of padding materials of different shore hardness, featuring various degrees of damping and a range of application possibilities, is available to the orthopaedic technician or orthopaedic footwear technician today. The padding materials used are usually based on polyethylene (e.g. Pedilin, Plastazote®), copolymers of polyethylene such as EVA (e.g. Evazote®) or polyurethane (e.g. PPT).

6

Thermoplastic foams made of PE and EVA are the first choice for materials with direct body contact. There is a wide range of applications for these materials, e.g. Pedilin can be used for making soft inner sockets in prosthetics fabrication and for padding in conventional orthoses, while Plastazote® can be used for fabricating corsets or positioning orthoses.

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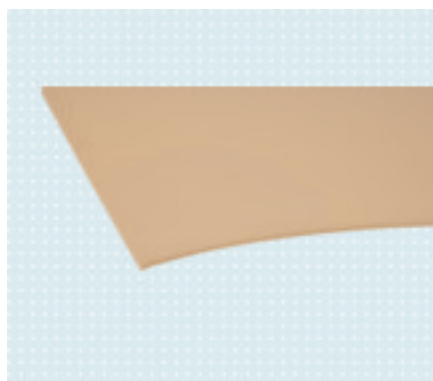
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HIGHLIGHTS

617S203 Pedilin
SilverShield®



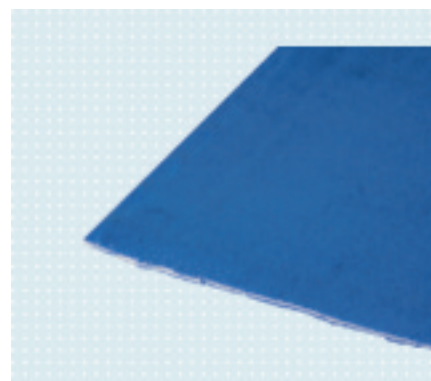
- + Highly recommended for fabricating soft inner sockets and as a padding material for prosthetic sockets
- + The proven classic material for soft sockets!
- + 617S203=10 is suitable for fabricating redression helmets
- + Antibacterial effect
- + PE foam, closed-cell
- + Hardness approx. 35° Shore A (proven Shore hardness for fabricating soft sockets)
- + Density approx. 140 kg/m³
- + High resilience
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 130 °C (266 °F) (convection oven, infrared oven)

617S133=7 Nora® Lunatec
Combi 7



- + For insoles and soft sockets
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 30 (skin colour)
- + Hardness approx. shore A 40 (grey)
- + One-step processing
- + No gluing required and no displacement of the different materials during processing
- + High retention of volume because the material is only compressed where needed and no vacuum forming is required
- + Good padding characteristics
- + Good thermoplastic properties
- + Good adhesive and sanding characteristics
- + Washable
- + Temperature recommendation: 130 °C – 150 °C (266 °F - 302 °F) (convection oven)

623P3 Terry Cloth Padding
Fabric



- + For padding in the field of orthotics
- + Upper material terry cloth, underside loop material
- + Compatible with hook-and-loop
- + Good padding characteristics
- + Comfortable to wear
- + Individual shaping possible
- + Washable

SilverShield® is a registered trademark of North Sea Plastics.
Nora® is a registered trademark of Freudenberg.


Pedilin SilverShield®

- + Highly recommended for fabricating soft inner sockets and as a padding material for prosthetic sockets
- + The proven classic material for soft sockets!
- + 617S203=10 is suitable for fabricating redression helmets
- + Antibacterial effect
- + PE foam, closed-cell
- + Hardness approx. 35° Shore A (proven Shore hardness for fabricating soft sockets)
- + Density approx. 140 kg/m³
- + High resilience
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 130 °C (266 °F) (convection oven, infrared oven)

Order example

Reference number = Thickness

617S203 = 3

	Reference number	617S203
	Length	1,050 mm
	Width	1,050 mm
	Thickness	3 mm, 4 mm, 5 mm, 6 mm, 10 mm
	Colour	skin colour

Other thicknesses are available upon request.



646F265=GB
646F295=GB



646A263=GB
646D119=GB
646D300=GB



Antibacterial Nora® Lunairmed

- + Recommended especially for FO padding
- + Customised padding when indicated for heel spur
- + Antibacterial effect against a broad spectrum of microorganisms
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 18
- + Density approx. 80 kg/m³
- + Good padding characteristics
- + Highly elastic
- + Good adhesive and sanding characteristics
- + Washable
- + Temperature recommendation: 120 – 130 °C (248 °F - 266 °F)

Article number	617S229=3	617S229=6
Length	980 mm	980 mm
Width	640 mm	640 mm
Thickness	3 mm	6 mm
Colour	skin colour	skin colour



646F295=GB



646A263=GB
646D119=GB



SilverShield® is a registered trademark of North Sea Plastics.
Nora® is a registered trademark of Freudenberg.

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Padding Materials Sample Kit

- + For the visual and haptic demonstration of the various padding materials
- + Supports an informed selection of corresponding padding materials

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Article number **646M2**

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Pedilin

Now also available with antibacterial features (617S203)!

- + Highly recommended for fabricating soft inner sockets and as a padding material for prosthetic sockets
- + The proven classic material for soft sockets!
- + PE foam, closed-cell
- + Hardness approx. 35° Shore A (proven Shore hardness for fabricating soft sockets)
- + Density approx. 140 kg/m³
- + High restoring force
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 130 °C (266 °F) (heating plate, convection oven)

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646F295=D 646D119=GB

6

Order example

Reference number = Colour Thickness
617S3 = H 2

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Reference number	617S3	617S3
Length	1,000 mm	1,000 mm
Width	1,000 mm	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm
Colour	Skin colour (H)	White (W)

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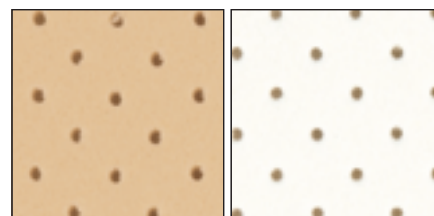
Pedilin, perforated

- + Highly recommended for fabricating soft inner sockets and as a padding material for prosthetic sockets
- + PE foam, closed-cell
- + Perforated
- + Hardness approx. 35° Shore A (proven Shore hardness for fabricating soft sockets)
- + Density approx. 140 kg/m³
- + High restoring force
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 130 °C (266 °F) (heating plate, convection oven)



Order example

Reference number = Colour Thickness

617S6 = H 3



 646F295=GB

Reference number	617S6	617S6
Length	1,000 mm	1,000 mm
Width	1,000 mm	1,000 mm
Thickness	3 mm, 4 mm, 5 mm, 6 mm	3 mm, 4 mm, 5 mm, 6 mm
Colour	Skin colour (H)	White (W)
		

Pedilin Cone for Soft Socket

- + Prefabricated cones made of Pedilin®, for fabricating soft inner sockets
- + Three different circumferences available
- + Cones with precise and stable bonded edge
- + Thermoforming is possible immediately
- + Saves gluing and sanding work
- + Good shape retention
- + Hygienic
- + Washable
- + Temperature recommendation: 130°C/266°F (convection oven)



Article number	6T2=1	6T2=2	6T2=3
Circumference 1	390 mm	425 mm	485 mm
Circumference 2	200 mm	270 mm	300 mm
Height	420 mm	420 mm	420 mm
Thickness	5 mm	5 mm	5 mm

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 646F295=D

Plastazote®

- + Recommendable especially for orthosis padding
- + PE foam, closed-cell
- + Hardness approx. shore A 15-20
- + Low density: approx. 45 kg/m³
- + Good restoring force
- + Good thermoforming properties
- + Good adhesive and welding characteristics
- + Weldable with PE
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C (230 °F) (heating plate, convection oven)

Order example

Reference number = Thickness

617S7 = 2

Reference number	617S7
Length	1,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm, 12 mm, 15 mm, 18 mm, 20 mm, 25 mm
Colour	skin colour

Plastazote® is a registered trademark of Zotefoams.

Plastazote®, perforated

- + Recommendable especially for orthosis padding
- + PE foam, closed-cell
- + Various colours available
- + Perforated
- + Hardness approx. shore A 15-20
- + Low density: approx. 45 kg/m³
- + Good restoring force
- + Good thermoforming properties
- + Good adhesive and welding characteristics
- + Weldable with PE
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C (230 °F) (heating plate, convection oven)



Order example

Reference number = Thickness

617S8 = 2

 646F295=GB



Reference number	617S8
Length	1,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 15 mm, 18 mm, 20 mm, 25 mm
Colour	skin colour



Reference number	617S21
Length	1,000 mm
Width	1,000 mm
Thickness	3 mm, 4 mm, 6 mm
Colour	white



Reference number	617S16
Length	1,000 mm
Width	1,000 mm
Thickness	3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 20 mm
Colour	yellow



Reference number	617S17
Length	1,000 mm
Width	1,000 mm
Thickness	3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 25 mm
Colour	blue



Reference number	617S18
Length	1,000 mm
Width	1,000 mm
Thickness	3 mm, 4 mm, 5 mm, 6 mm, 10 mm, 12 mm, 25 mm
Colour	red

► Other sheet thicknesses available upon request.

Plastazote® is a registered trademark of Zotefoams.

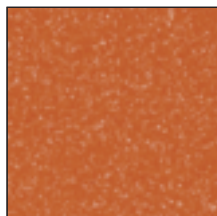
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 646F295=GB

Evazote®

- + For padding AFOs, KAFOs and corsets
- + For padding seating shells in rehabilitation
- + EVA copolymer, closed-cell
- + Various colours available
- + Hardness approx. shore A 12-20
- + Low density: approx. 50 kg/m³
- + Elastic
- + High restoring force
- + Good thermoforming properties
- + Good adhesive characteristics
- + Washable
- + Temperature recommendation: 110 °C (230 °F) (heating plate, convection oven)

Order example

Reference number = Thickness

617S9 = 3

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Reference number	617S9
Length	1,000 mm
Width	1,000 mm
Thickness	3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 20 mm
Colour	white

6



Reference number	617S12
Length	1,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm
Colour	yellow

7



Reference number	617S13
Length	1,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 15 mm
Colour	blue

8



Reference number	617S14
Length	1,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm
Colour	red

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• Other sheet thicknesses available upon request.

Evazote® is a registered trademark of Zotefoams.

Nora® Padding Materials Sample Kit

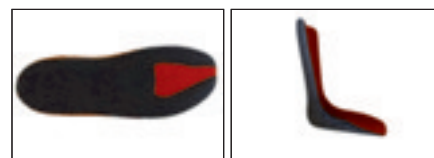
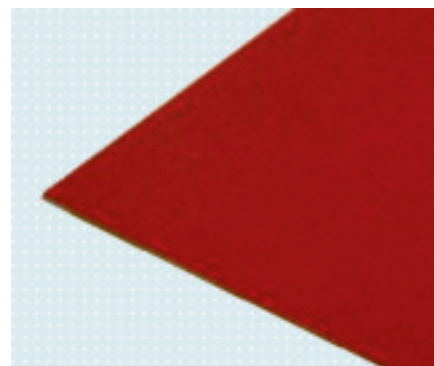
- + For the visual and haptic demonstration of the various Nora® padding materials
- + Supports an informed selection of the corresponding Nora® padding materials

Article number 646M7




Nora® Aero sorb, medium

- + Particularly recommended for butterfly rolls, heel and forefoot padding, foot bedding adapted to diabetes, heel spur recess for heel spur inserts
- + Light cellular rubber, closed-cell
- + Hardness approx shore A 12; shore A zero 26
- + Density approx. 160 kg/m³
- + Delayed resiliency
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Hygienic and can be disinfected
- + Bedding and damping properties; punctuated pressure relief
- + Shock absorbing
- + Temperature recommendation: 110 °C □ 130 °C (230 °F - 266 °F) (hotplate, convection oven)



Order example

Reference number = Thickness - Colour
617S174 = 2 - 2

	Reference number	617S174
	Length	800 mm
	Width	550 mm
	Thickness	2 mm, 3 mm, 4 mm, 6 mm, 8 mm
	Colour	Red (2)

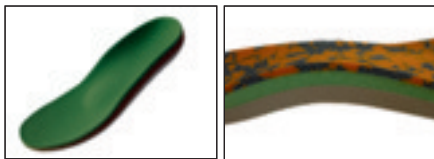
Nora® is a registered trademark of Freudenberg.

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Nora® Aero sorb, soft

- + Particularly recommended for butterfly rolls, heel and forefoot padding, foot bedding adapted to diabetes, heel spur recess for heel spur inserts
- + Light cellular rubber, closed-cell
- + Hardness approx. shore A 8; shore A zero 22
- + Density approx. 150 kg/m³
- + Delayed resilience
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Hygienic and can be disinfected
- + Bedding and damping properties; punctuated pressure relief
- + Shock absorbing
- + Temperature recommendation: 110 °C □ 130 °C (230 °F - 266 °F) (hotplate, convection oven)

Order example

Reference number = Thickness - Colour

617S173 = 2 - 3

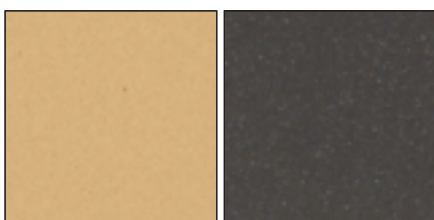


Reference number	617S173
Length	820 mm
Width	580 mm
Thickness	2 mm, 3 mm, 4 mm, 6 mm, 8 mm
Colour	Green (3)

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Nora® Lunasoft SL

- + Highly recommended for fabricating soft inner sockets and as a padding material for prosthetic sockets
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 40
- + Density approx. 200 kg/m³
- + Good restoring force
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 120 °C - 170 °C (248 °F - 338 °F) (heating plate, convection oven)

Order example

Reference number = Colour Thickness

617S25 = H 4

Reference number	617S25	617S25
Length	890 mm	890 mm
Width	640 mm	640 mm
Thickness	4 mm, 5 mm, 6 mm, 8 mm, 12 mm, 24 mm	14 mm
Colour	Skin colour (H)	Black (S)
		

 646F295=GB

Nora® is a registered trademark of Freudenberg.

Nora® Lunasoft SLW

- + For padding applications in orthotics and prosthetics
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 30
- + Density approx. 200 kg/m³
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 120 °C - 170 °C (248 °F - 338 °F) (heating plate, convection oven)



 646F295=GB

Order example

Reference number	=	Colour	Thickness
617S26	=	H	4

Reference number	617S26
Length	890 mm
Width	640 mm
Thickness	4 mm, 5 mm, 6 mm, 8 mm, 12 mm
Colour	Skin colour (H)

Nora® Lunatec Combi 7

- + For insoles and soft sockets
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 30 (skin colour)
- + Hardness approx. shore A 40 (grey)
- + One-step processing
- + No gluing required and no displacement of the different materials during processing
- + High retention of volume because the material is only compressed where needed and no vacuum forming is required
- + Good padding characteristics
- + Good thermoplastic properties
- + Good adhesive and sanding characteristics
- + Washable
- + Temperature recommendation: 130 °C – 150 °C (266 °F - 302 °F) (convection oven)



 646F295=GB

Article number	617S133=7
Length	1,150 mm
Width	800 mm
Thickness	7 mm
Colour	Skin colour/grey

Nora® is a registered trademark of Freudenberg.

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Nora® Lunairflex

- + For padding applications in orthotics and prosthetics
- + For padding seating shells in rehabilitation
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 22
- + Density approx. 120 kg/m³
- + Highly elastic
- + Good restoring force
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)

Order example

4

i 646F295=GB

Reference number = Colour Thickness

617S27 = H 4

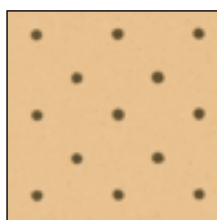
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Reference number	617S27
Length	920 mm
Width	700 mm
Thickness	4 mm, 5 mm, 6 mm, 8 mm, 12 mm
Colour	Skin colour (H)

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Nora® Lunairflex, perforated

- + For padding applications in orthotics and prosthetics
- + For padding seating shells in rehabilitation
- + EVA copolymer, closed-cell
- + Perforated
- + Hardness approx. shore A 22
- + Density approx. 120 kg/m³
- + Highly elastic
- + Good restoring force
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)

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i 646F295=GB

Article number	617S28=H3	617S28=H6
Length	1,400 mm	1,400 mm
Width	920 mm	920 mm
Thickness	3 mm	6 mm
Colour	Skin colour (H)	Skin colour (H)

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Nora® is a registered trademark of Freudenberg.

Nora® Lunairmed

Now also with antimicrobial features (617S229)!

- + Recommended especially for FO padding
- + Customised padding when indicated for heel spur
- + For fitting diabetics
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 18
- + Density approx. 80 kg/m³
- + Good padding characteristics
- + Highly elastic
- + Good adhesive characteristics – ideal for combining with other padding materials!
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)

Order example

Reference number	=	Colour	Thickness
617S29	=	H	3

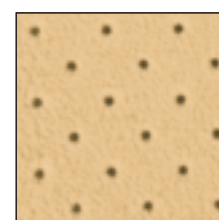
Reference number	617S29
Length	980 mm
Width	640 mm
Thickness	3 mm, 6 mm, 8 mm, 12 mm, 24 mm
Colour	Skin colour (H)



646F295=GB

Nora® Lunairmed, perforated

- + Recommended especially for FO padding
- + Customised padding when indicated for heel spur
- + For fitting diabetics
- + EVA copolymer, closed-cell
- + Perforated
- + Hardness approx. shore A 18
- + Density approx. 80 kg/m³
- + Good padding characteristics
- + Highly elastic
- + Good adhesive characteristics – ideal for combining with other padding materials!
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)



646F295=GB

Article number	617S30=H3	617S30=H6
Length	1,280 mm	1,280 mm
Width	980 mm	980 mm
Thickness	3 mm	6 mm
Colour	Skin colour (H)	Skin colour (H)

Nora® is a registered trademark of Freudenberg.

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Nora® Lunalastik

- + For padding applications in prosthetics and orthotics, particularly for FOs
- + Customised padding when indicated for heel spur
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 25
- + Density approx. 230 kg/m³
- + Highly elastic
- + High resilience
- + Very good resistance to tearing
- + Good adhesive characteristics – ideal for combining with other padding materials!
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)

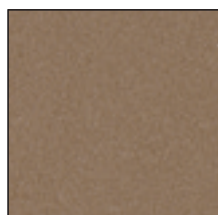
Article number	617S36=H3	617S36=H4	617S36=H6	617S36=H8
Length	850 mm	850 mm	850 mm	850 mm
Width	610 mm	610 mm	610 mm	610 mm
Thickness	3 mm	4 mm	6 mm	8 mm
Colour	Skin colour (H)	Skin colour (H)	Skin colour (H)	Skin colour (H)

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Dynoform

- + For padding applications in orthotics and prosthetics
- + PE foam, closed-cell
- + Various colours available
- + Hardness approx. shore A 30
- + Good restoring force
- + Good thermoforming properties
- + Non-shrinking
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Resistant to perspiration and saliva, meets all food legislation requirements
- + Free of AZO and PCP substances
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)

Order example

Reference number	=	Colour	Thickness
617S70	=	B	2

Reference number	617S70	617S70	617S70	617S70	617S70
Length	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
Width	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 7 mm, 10 mm	2 mm, 3 mm, 4 mm, 5 mm	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm	2 mm, 3 mm, 4 mm, 5 mm	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 10 mm, 14 mm
Colour	Brown (B)	Blue (BL)	Skin colour (H)	Red (R)	White (W)

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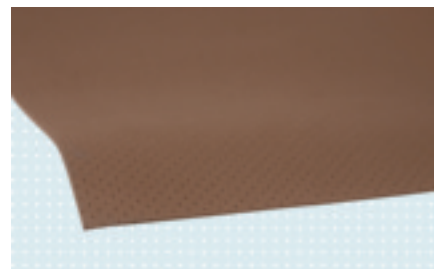
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Nora® is a registered trademark of Freudenberg.

Dynoform, perforated

- + For padding applications in orthotics and prosthetics
- + PE foam, closed-cell
- + Various colours available
- + Perforated
- + Hardness approx. shore A 30
- + Good restoring force
- + Good thermoforming properties
- + Non-shrinking
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Resistant to perspiration and saliva, meets all food legislation requirements
- + Free of AZO and PCP substances
- + Temperature recommendation: 110 °C - 130 °C (230 °F - 266 °F) (heating plate, convection oven)



646F295=GB

Order example

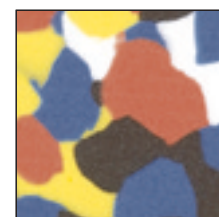
Reference number = Colour Thickness

617S71 = B 2

Reference number	617S71	617S71	617S71	617S71	617S71
Length	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
Width	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm	2 mm, 3 mm, 5 mm	2 mm, 3 mm, 5 mm	2 mm, 3 mm, 4 mm, 5 mm, 6 mm	2 mm, 3 mm, 4 mm, 5 mm
Colour	Brown, perforated (B)	Red, perforated (R)	Blue, perforated (BL)	Skin colour, perforated (H)	White, perforated (W)

Multicolor OD

- + Recommended especially for FO padding
- + PE foam, closed-cell
- + Hardness approx. shore A 27
- + High restoring force
- + Pressure-resistant
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 100 °C - 140 °C (212 °F - 284 °F) (heating plate, convection oven)

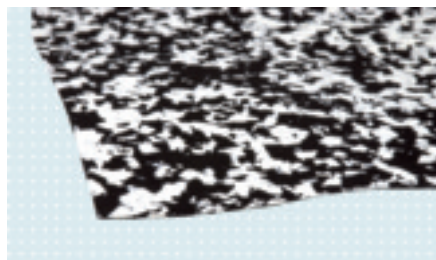


646F295=GB

Article number	617S92=2	617S92=3	617S92=4	617S92=5
Length	1,050 mm	1,050 mm	1,050 mm	1,050 mm
Width	900 mm	900 mm	900 mm	900 mm
Thickness	2 mm	3 mm	4 mm	5 mm
Colour	Multicolour	Multicolour	Multicolour	Multicolour

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 646F295=GB

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Dino Foam

- + For padding applications in orthotics, particularly for FOs
- + EVA copolymer, closed-cell
- + Marbled in two colours, various colours available
- + Hardness approx. shore A 40
- + Density approx. 200 kg/m³
- + Elastic
- + High restoring force
- + Pressure-resistant
- + Good thermoforming properties
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Temperature recommendation: 100 °C (212 °F) (heating plate, convection oven)



Article number	617S90=2
Length	1,280 mm
Width	890 mm
Thickness	2 mm
Colour	Black-white



Article number	617S91=2
Length	1,280 mm
Width	890 mm
Thickness	2 mm
Colour	Black-yellow



Article number	617S93=2
Length	1,280 mm
Width	890 mm
Thickness	2 mm
Colour	Black-purple



Article number	617S94=2
Length	1,280 mm
Width	890 mm
Thickness	2 mm
Colour	Black-pink

PPT

- + Recommended especially for FO padding
- + For fitting diabetics
- + PU flexible foam
- + Breathable foam
- + Roughened on both sides
- + Hardness approx. shore A 15
- + Almost 100% restoring force
- + Pressure and impact absorbing
- + Long service life
- + Washable
- + Not thermoformable



 646F295=GB

Article number	617S68=1.6	617S68=3.2	617S68=6.4
Length	1,370 mm	1,370 mm	1,370 mm
Width	730 mm	730 mm	730 mm
Thickness	1.6 mm	3.2 mm	6.4 mm
Colour	skin colour	skin colour	skin colour

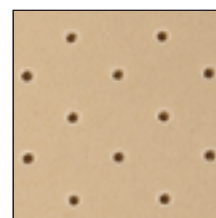


Practical recommendation:

- Well suited for glueing with 636W71 CP Contact Adhesive

PPT, perforated

- + Recommended especially for FO padding
- + For fitting diabetics
- + PU flexible foam
- + Breathable foam
- + Perforated
- + Roughened on both sides
- + Hardness approx. shore A 15
- + Almost 100% restoring force
- + Pressure and impact absorbing
- + Long service life
- + Washable
- + Not thermoformable



 646F295=GB

Article number	617S67=1.6	617S67=3.2
Length	1,370 mm	1,370 mm
Width	730 mm	730 mm
Thickness	1.6 mm	3.2 mm
Colour	skin colour	skin colour



Practical recommendation:

- Well suited for glueing with 636W71 CP Contact Adhesive

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Biflex

- + For padding FOs as well as AFOs
- + EVA copolymer, closed-cell
- + Hardness approx. shore A 18
- + High resilience
- + Washable
- + Not thermoformable

2

3



Article number	617S102=3
Length	600 mm
Width	1,000 mm
Thickness	3 mm
Colour	beige

4

 646F295=GB

5



Dyatec

- + Recommended especially for FO padding
- + Very suitable for fitting diabetics and rheumatics, for pressure redistribution with soft foot beddings
- + PU flexible foam, open-cell
- + Hardness approx. shore A 10
- + Time - delayed restoring force
- + Soft
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Not thermoformable

6

7



Article number	617S119=3.2	617S119=4.8	617S119=6.4
Length	1,370 mm	1,370 mm	1,370 mm
Width	820 mm	820 mm	820 mm
Thickness	3.2 mm	4.8 mm	6.4 mm
Colour	Salmon	Salmon	Salmon

 646F295=GB

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Practical recommendation:

- Well suited for glueing with 636W71 CP Contact Adhesive

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Dynasoft

- + For padding in the field of orthotics
- + Ideal for fittings that provide bedding support
- + Can be used in various material combinations
- + PU flexible foam, open-cell
- + Hardness approx. shore A 10
- + Good restoring force
- + Yielding (floating) effect
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Not thermoformable



i 646F295=GB

Article number	617S120=4
Length	550 mm
Width	800 mm
Thickness	4 mm
Colour	blue

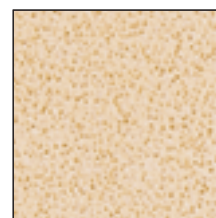


Practical recommendation:

- Well suited for glueing with 636W71 CP Contact Adhesive

Cellular Unvulcanized Rubber

- + For fabricating soft inner sockets and as a padding material for prosthetic sockets
- + Versatile in application
- + Can be used with other materials such as leather
- + Open pores on both sides
- + Hardness approx. shore A 10
- + Density approx. 220 kg/m³
- + High restoring force
- + Good adhesive characteristics
- + Good sanding characteristics
- + Not thermoformable



i 646F295=GB

Order example

Reference number = Thickness

619M5 = 2

Reference number	619M5
Length	1,000 mm
Width	1,000 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm
Colour	skin colour

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i 646F295=GB

Rubber Padding

- + For fabricating soft inner sockets and as a padding material for prosthetic sockets
- + Versatile in application
- + One side with skin and fine material pattern, the other side open-pored
- + Hardness approx. shore A 25
- + Density approx. 500 kg/m³
- + Good restoring force
- + High elasticity of compression
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Not thermoformable

Order example

Reference number = Thickness

619M2 = 3

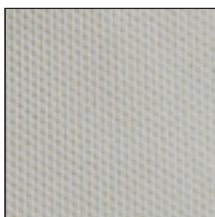
Reference number	619M2
Length	1,000 mm
Width	500 mm
Thickness	3 mm, 4 mm, 6 mm, 10 mm
Colour	skin colour

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i 646F295=GB

Rubber Padding

- + For fabricating soft inner sockets
- + Versatile in application
- + Both sides with skin and fine material pattern
- + Hardness approx. shore A 25
- + Density approx. 500 kg/m³
- + Good restoring force
- + High elasticity of compression
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Not thermoformable

Article number	619M3=3	619M3=8	619M3=10
Length	1,000 mm	1,000 mm	1,000 mm
Width	1,000 mm	1,000 mm	1,000 mm
Thickness	3 mm	8 mm	10 mm
Colour	grey	grey	grey

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Rubber Padding

- + For fabricating soft inner sockets
- + Versatile in application
- + One side with skin and fine material pattern, the other side open-pored
- + Hardness approx. shore A 25
- + Density approx. 500 kg/m³
- + Good restoring force
- + High elasticity of compression
- + Good adhesive characteristics
- + Good sanding characteristics
- + Washable
- + Not thermoformable

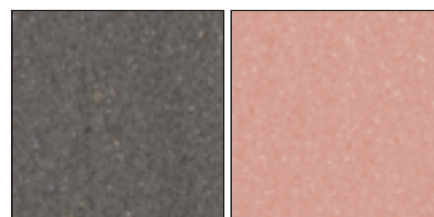
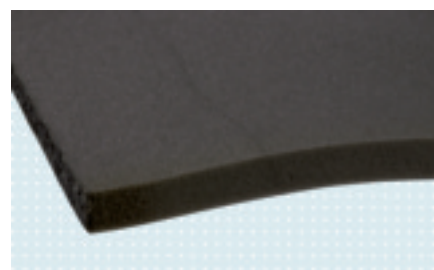


646F295=GB

Article number	619M4=3	619M4=4	619M4=5
Length	1,000 mm	1,000 mm	1,000 mm
Width	500 mm	500 mm	500 mm
Thickness	3 mm	4 mm	5 mm
Colour	Light grey	Light grey	Light grey

Relax Foam

- + For padding positioning splints
- + For padding seating shells in rehabilitation
- + For use in padding for highly pressure-sensitive areas
- + Open-cell
- + Low density: approx. 60 kg/m³ (616T92) or approx. 65 kg/m³ (616T93)
- + Slow restoring force
- + Good damping properties
- + Not thermoformable



646F295=GB

Article number	616T93=2000x10	616T93=2000x20
Length	1,000 mm	1,000 mm
Width	2,000 mm	2,000 mm
Thickness	10 mm	20 mm
Colour	grey	grey

Article number	616T92=2000x10	616T92=2000x20
Length	1,000 mm	1,000 mm
Width	2,000 mm	2,000 mm
Thickness	10 mm	20 mm
Colour	pink	pink

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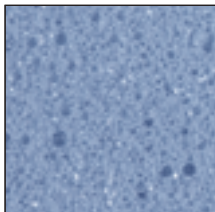


Bedding Foam, self-adhesive

- + For padding positioning splints
- + For padding seating shells in rehabilitation
- + Open-cell
- + Self-adhesive
- + Slow resilience
- + Good damping properties
- + Not thermoformable


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Article number	619M9=10
Length	610 mm
Width	410 mm
Thickness	10 mm
Colour	blue

4

 646F295=GB



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Foam Sheeting

- + For padding positioning splints
- + For padding seating shells in rehabilitation
- + For bonding to sanded foam surfaces in order to compensate for minor irregularities.
- + Open-cell
- + Low density: approx. 45 kg/m³
- + Good adhesive characteristics
- + Not thermoformable

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Article number	636S1=2
Length	2,000 mm
Width	970 mm
Thickness	2 mm
Colour	skin colour
Order by	Package of 10

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 646F295=GB

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PVC Foam, self-adhesive

- + For padding in the field of orthotics
- + Suitable for trial fittings
- + PVC foam
- + Self-adhesive
- + Washable

Article number	616T25
Length	1,000 mm
Width	500 mm
Thickness	3 mm
Colour	white



 646F295=GB



Terry Cloth Padding Fabric, self-adhesive

- + For padding in the field of orthotics
- + Ideal for everyday clinical use, e.g. also for temporary fittings
- + Upper material terry cloth, underside adhesive film
- + Self-adhesive
- + Very good adhesive characteristics
- + Very comfortable
- + Washable

Article number	623P2
Length	1,000 mm
Width	500 mm
Colour	skin colour



 646F295=GB



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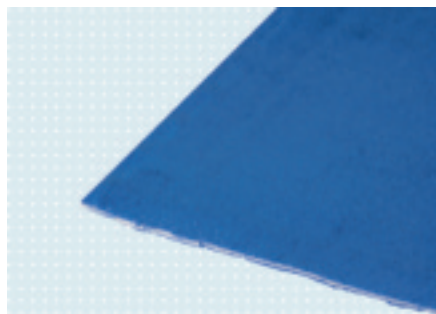
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Terry Cloth Padding Fabric

Now also in black!

- + For padding in the field of orthotics
- + Upper material terry cloth, underside loop material
- + Compatible with hook-and-loop
- + Good padding characteristics
- + Comfortable to wear
- + Individual shaping possible
- + Washable

 646F295=GB

Order example

Reference number = Length

623P3 = 1



Reference number	623P3
Length	1 m, 2 m, 5 m, 10 m
Width	1,460 mm
Colour	blue

Order example

Reference number = Colour Length

623P3 = H 1



Reference number	623P3
Length	1 m, 2 m, 5 m, 10 m
Width	1,460 mm
Colour	Skin colour (H)



Reference number	623P3
Length	1 m, 2 m, 5 m, 10 m
Width	1,460 mm
Colour	Black (S)



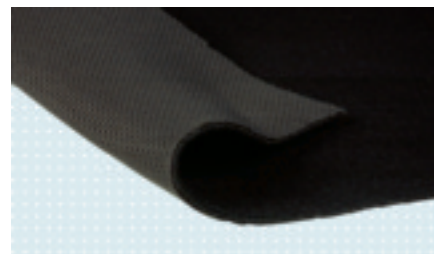
Practical recommendation:

- Can be combined with 623Z4 Micro Hook-and-Loop. Apply 636W71 CP Contact Adhesive to the micro hook-and-loop and fasten it to the surface to be padded.

SpaceTex

- + For padding in the field of orthotics
- + New generation of textile area-measured materials!
- + 70% polyester, 30% polyamide
- + Upper material 3D spacer fabric, underside velour
- + High restoring force
- + Excellent padding characteristics
- + Very comfortable
- + Air permeable
- + Heat and moisture is transferred away from the body
- + Compatible with hook-and-loop
- + Hand-washable up to 60°C/140°F

Article number	623F62=1-7	623F62=2-7	623F62=5-7
Length	1 m	2 m	5 m
Width	1,400 mm	1,400 mm	1,400 mm
Thickness	3 mm	3 mm	3 mm
Colour	Black (7)	Black (7)	Black (7)



 646F295=GB



Practical recommendation:

- Can be combined with 623Z4 Micro Hook-and-Loop. Apply 636W71 CP Contact Adhesive to the micro hook-and-loop and fasten it to the surface to be padded.

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i 646F295=GB

Sportolon

- + For padding FOs as well as AFOs
- + Open-cell
- + Hardness approx. shore A 15
- + Density approx. 270 kg/m³
- + High restoring force
- + Elastic
- + Easy to work with
- + Breathable
- + Washable
- + Not thermoformable



Article number	617S19=3-0	
Length	1,370 mm	
Width	800 mm	
Thickness	3 mm	
Colour	Skin colour	



Article number	617S19=3-5	
Length	1,370 mm	
Width	800 mm	
Thickness	3 mm	
Colour	blue (5)	



Article number	617S19=5	617S19=6
Length	1,370 mm	1,370 mm
Width	800 mm	800 mm
Thickness	5 mm	6 mm
Colour	skin colour	skin colour

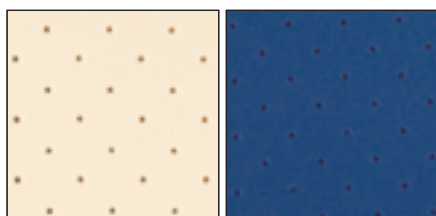
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i 646F295=GB

Sportolon, perforated

- + For padding FOs as well as AFOs
- + Open-cell
- + Perforated
- + Hardness approx. shore A 15
- + Density approx. 270 kg/m³
- + High restoring force
- + Elastic
- + Easy to work with
- + Breathable
- + Washable
- + Not thermoformable

Article number	617S20=3-0	617S20=3-5
Length	1,370 mm	1,370 mm
Width	800 mm	800 mm
Thickness	3 mm	3 mm
Colour	Skin colour	blue (5)



Neoprene®

- + For padding in the field of orthotics
- + Textile coated on both sides
- + Closed-cell
- + Hardness approx. shore A 18
- + Compatible with hook-and-loop
- + Good restoring force
- + Washable
- + Not thermoformable



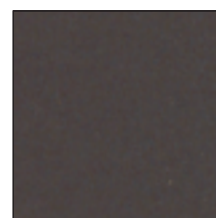
i 646F295=GB

Article number	617S10=4
Width	1,200 mm
Thickness	4 mm
Colour	white

• Please specify length when ordering.

Neoprene®, soft

- + For padding AFOs as well as KAFOs
- + The surface is covered in terry cloth, and the back in nylon
- + Closed-cell
- + Hardness approx. shore A 18
- + Compatible with hook-and-loop
- + Good restoring force
- + Washable
- + Not thermoformable



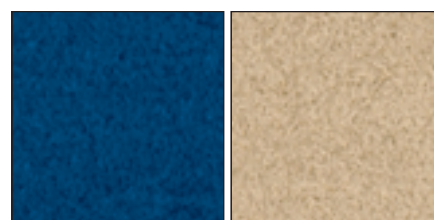
i 646F295=GB

Article number	617S15=3
Width	1,200 mm
Thickness	3 mm
Colour	Dark blue


• Please specify length when ordering.

PS velour

- + For padding in the field of orthotics
- + Microfibre synthetic fleece (60% polyamide, 40% polyurethane)
- + Resistant to tearing
- + Air permeable
- + Water-vapour permeable
- + Abrasion-resistant
- + Colour-fast against perspiration
- + Washable
- + Free of formaldehyde, PCP and PCP compounds
- + Not thermoformable



i 646F295=GB

	Article number	620P15-5	620P15-8
	Length	1,370 mm	1,370 mm
	Width	1,000 mm	1,000 mm
	Thickness	0.8 mm	0.8 mm
	Colour	blue (5)	Brown (8)

Neopren® is a registered trademark of DuPont.

1



Micro Hook Strap, self-adhesive

- + Recommended especially in combination with 623P3 Terry Cloth Padding Fabric and with 623F62 SpaceTex
- + Individually adaptable length
- + Self-adhesive
- + Very high hook-and-loop strength
- + No additional bulk when fastening textile padding fabrics
- + Facilitates highly flexible connections

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Article number	623Z4=50-6
Width	50 mm
Colour	White (6)
Minimum order quantity	10 m

4



ⓘ Please specify length when ordering.

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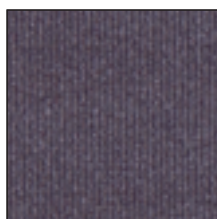


Technogel Sheet

- + For padding in the field of orthotics, especially in conjunction with FOs
- + As a padding material for prosthetic sockets
- + For padding seating shells in rehabilitation
- + PU gel
- + With bi-elastic blue Lycra® fabric and PE sheeting on one side.
- + Hardness approx. shore A 2.5
- + Density approx. 1006 kg/m³
- + Shape-retentive
- + Good dissipation of shear forces
- + Very good damping and good pressure distribution
- + Highly stretchable
- + High shock absorption
- + Good adhesive properties with 636W71 CP Contact Adhesive
- + Washable
- + Not thermoformable

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ⓘ 646F295=GB

Article number	616S116=50x50x0.3	616S116=50x50x0.6	616S116=50x50x0.9
Length	50 cm	50 cm	50 cm
Width	50 cm	50 cm	50 cm
Thickness	0.3 cm	0.6 cm	0.9 cm

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Lycra® is a registered trademark of DuPont.

Technogel Sheet

- + For padding FOs, AFOs and KAFOs
- + For use as bedding material in the fabrication of prosthetic sockets
- + For padding seating shells in rehabilitation
- + PU gel with PU sheeting on both sides
- + Hardness approx. shore A 2.5 – 10
- + Density approx. 1006 kg/m³
- + Shape-retentive
- + Good dissipation of shear forces
- + Very good damping and good pressure distribution
- + Highly stretchable
- + High shock absorption
- + Good adhesive properties with 636W71 CP Contact Adhesive
- + Washable
- + Not thermoformable






 646F295=GB

 647H318

Order example

Reference number	=	Length	x	Width	x	Thickness	-	Colour
616S8	=	50	x	50	x	0.3	-	5

Reference number	616S8	616S8	616S8
Length	50 cm	50 cm	50 cm
Width	50 cm	50 cm	50 cm
Thickness	0.3 cm, 0.6 cm	0.3 cm, 0.6 cm	0.6 cm
Shore hardness	A approx. 2.5°	A approx. 5°	A approx. 10°
Colour	blue (5)	Yellow (4)	Skin colour
			

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Pressed Cork

- + For applications in orthopaedics and shoe technology
- + Density approx. 230 kg/m³
- + Elastic
- + High resilience
- + Resistant against frictional wear
- + Impermeable to liquids
- + Not thermoformable

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Article number	620P1=30	620P1=50
Length	1,000 mm	1,000 mm
Width	500 mm	500 mm
Thickness	30 mm	50 mm

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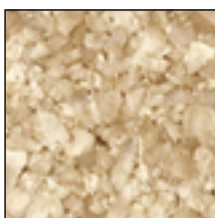


Flexible Cork

- + For applications in orthopaedics and shoe technology
- + Density approx. 220 kg/m³
- + Elastic
- + High resilience
- + Resistant against frictional wear
- + Impermeable to liquids
- + Not thermoformable

7

8



Order example

Reference number = Thickness

620P2 = 2

Reference number	620P2
Length	915 mm
Width	610 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm

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Microcork

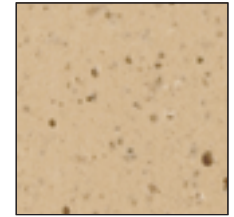
- + For applications in orthopaedics and shoe technology
- + Hardness approx. shore A 50
- + Density approx. 240 kg/m³
- + Elastic
- + High resilience
- + Resistant against frictional wear
- + Impermeable to liquids
- + Good thermoforming properties at 130°C/266°F (heating plate, convection oven)

Order example

Reference number = Thickness

620P4 = 2.5

Reference number	620P4
Length	1,100 mm
Width	850 mm
Thickness	2.5 mm, 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 25 mm



Rubber Cork

- + For applications in orthopaedics and shoe technology
- + Heat-resistant
- + Elastic
- + High restoring force
- + Resistant against frictional wear
- + Impermeable to liquids
- + Not thermoformable

Order example

Reference number = Thickness

620P3 = 2

Reference number	620P3
Length	1,000 mm
Width	500 mm
Thickness	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm



 646A174=GB



Practical recommendation:

- Suitable for prepreg technology, as a spacer layer for padding.

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Block Felt

- + As padding material in prosthetics
- + For improving wearer comfort of hand and foot prostheses
- + For fabricating insoles, particularly with toe disarticulations
- + For fabricating umbilical hernia pads
- + White block felt made of fine Merino wool
- + Hard
- + Density approx. 600 kg/m³
- + Excellent machine processing capability
- + Can be sanded
- + Moisture repellent
- + Not thermoformable

Article number	622B1-50
Length	590 mm
Width	390 mm
Thickness	50 mm
Weight	7 kg

Chrome Kid Leather

- + For linings in orthopaedics and shoe technology
- + As a leather cover for inserts
- + Fine, soft leather

Article number	621J2
Thickness	0.6-0.8 mm



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Plain Chamois Sheep Leather

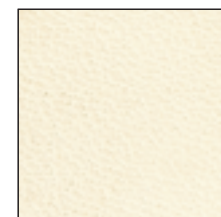
- + For linings in orthopaedics and shoe technology
- + Soft, supple liner leather
- + Good stretching properties

Article number	621S4
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- When ordering, please specify the desired version.

Sheepskin with grain (e.g. for sockets) = grain chamois leather

Sheepskin without grain (e.g. for splints/clamps) = leather



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Blank Calf Leather

- + For applications in orthopaedics and shoe technology
- + Ooze leather
- + Lighter weight category
- + Moderately greased
- + Sometimes waxed
- + Good wearing properties
- + Good grip
- + Supple
- + Resistant to tearing
- + Very good resistance to perspiration
- + Waterproof
- + Air permeable

Article number	621R1=1-1.5
Design	Side
Thickness	1-1.5 mm



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Vegetable-Tanned Calf Leather

- + For lacings, knee joint protectors, trouser protectors
- + As a leather cover for splints and bands as well as for straps
- + Vegetable-tanned
- + May be prepared both on the flesh side as well as the grain side
- + Heavily greased
- + Good grip
- + Supple
- + Resistant to tearing
- + Waterproof
- + Air permeable

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Article number	621R5=1.5
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Design	Side
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Thickness	1.5 mm
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Chrome-Tanned Calf Leather

- + For roller straps, straps and buckles
- + Tough
- + Resistant to tearing
- + Sustained resistance to bending and abrasion

6

Article number	621R3=2.5-3
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Design	Side
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Thickness	2.5-3 mm
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Colour	Grey-white
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7



Orthopaedic chrome-tanned leather

- + For straps and buckles
- + Tough
- + Resistant to tearing
- + Sustained resistance to bending and abrasion

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Article number	621R4=1.5-2
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Design	Side
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Thickness	1.5-2 mm
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Milled Leather

- + For sockets and sleeves in the field of prosthetics and orthotics
- + With spike
- + Calf leather
- + Vegetable-tanned
- + Excellent forming properties
- + Good absorption of perspiration



Article number	621W2=1.8-2	621W2=2-2.75	621W2=3-3.5
Design	Side	Side	Side
Thickness	1.8-2.0 mm	2.0-2.75 mm	3.0-3.5 mm

- Other types of leather are available upon request.

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Cotton Stockinette

- + As a body protection stockinette for casting and moulding techniques
- + As a spacer layer for vacuum forming or laminating techniques
- + Wearable directly on the skin, e.g. for corset fitting
- + Versatile in application
- + 100% cotton
- + Good stretching properties

3

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Article number	Length	Width	Weight	Colour
623T1=4	32 m	4 cm	0.5 kg	Raw white
623T1=6	23.8 m	6 cm	0.5 kg	Raw white
623T1=8	17.2 m	8 cm	0.5 kg	Raw white
623T1=10	27.7 m	10 cm	1 kg	Raw white
623T1=12	25.6 m	12 cm	1 kg	Raw white
623T1=15	19.2 m	15 cm	1 kg	Raw white
623T1=20	14.9 m	20 cm	1 kg	Raw white
623T1=25	12.5 m	25 cm	1 kg	Raw white
623T1=30	10 m	30 cm	1 kg	Raw white
623T1=40	7.7 m	40 cm	1 kg	Raw white

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Heat Protective Stockinette

- + For intermediate technology
- + Serves to reduce the effect of heat on the residual limb during the shrink-on process
- + 100% cotton
- + Good stretching properties

8

Article number	623T16=15	623T16=20
Length	6.7 m	4.6 m
Width	15 cm	20 cm
Weight	0.5 kg	0.5 kg
Colour	white	white

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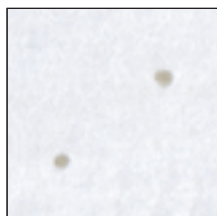


Felt Cloth

- + For linings, e.g. in leather sleeves
- + Density approx. 190 kg/m³
- + Good padding characteristics

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Article number	622P4=2
Width	1,800 mm
Thickness	2 mm
Weight	0.6 kg
Colour	white

Velvetone

- + For use as a cover fabric in orthotics, e.g. for inserts
- + 100% cotton
- + On side roughened, the other side sunk
- + Strong, satin-woven moleskin fabric
- + Very thin


Article number	623M8
Width	1,500 mm
Colour	beige


➤ Please specify length when ordering.



Helanca Double-Stretch Synthetic Leather

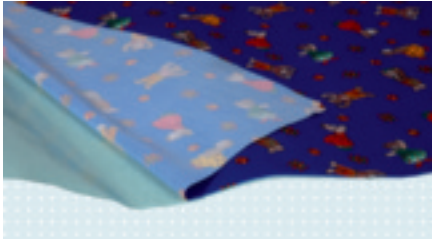
- + For padding and upholstery
- + Especially well suited for areas subject to high stress, e.g. in rehabilitation
- + Pleasantly soft
- + Good grip
- + Stretchable
- + Abrasion-resistant
- + Resistant to tearing
- + Easy to clean
- + Resistant to urine and blood
- + Resistant to disinfecting agents

	Article number	621X2=1	621X2=2	621X2=5
	Length	1 m	2 m	5 m
	Width	1,370 mm	1,370 mm	1,370 mm
	Colour	white	white	white

	Article number	621X3=1	621X3=2	621X3=5
	Length	1 m	2 m	5 m
	Width	1,370 mm	1,370 mm	1,370 mm
	Colour	beige	beige	beige



1



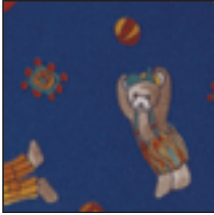
Cover Fabric "Teddy"

- + For use as a cover fabric in orthotics and rehabilitation
- + Self-adhesive

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Article number	623M7
Length	1,350 mm
Width	1,000 mm

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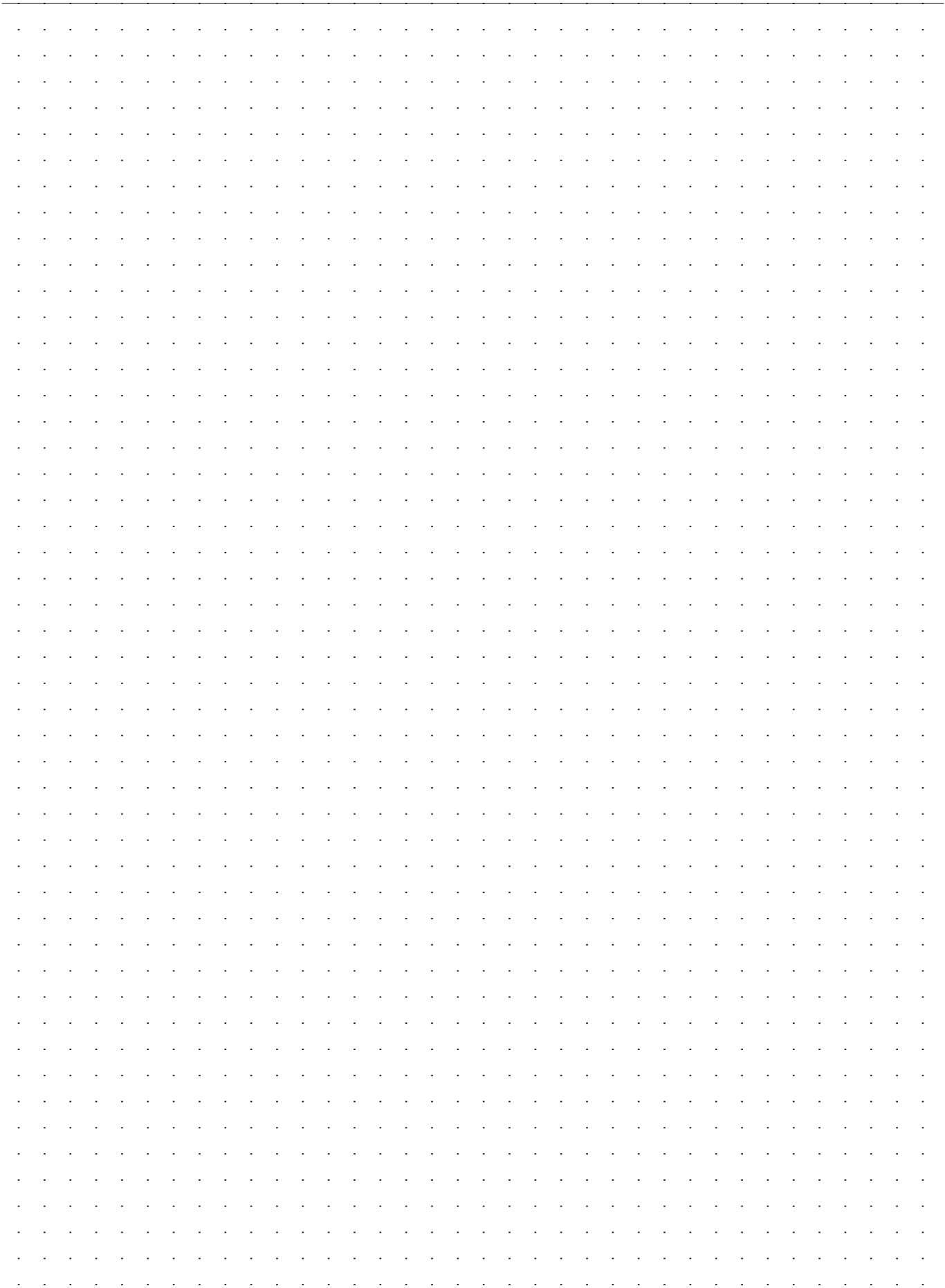
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Bock[®]
FOR LIFE



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Finishing

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Thermopapers, socket decors, SuperSkin and water transfer printing are ways to upgrade surfaces with new designs. These technologies are suitable for a wide range of applications in the field of orthopaedics technology (prosthetics, orthotics).

6

Socket decors permit individual colouration with applications of the lamination technique. Our thermopapers are suitable for visually upgrading plastics such as ThermoLyn PE 200, ThermoLyn PP-C and ThermoLyn PP-H.

7

With a SuperSkin coating, a foam cover, for example, can be spray coated with a liquid polyurethane plastic (PUR). The applied coating is stretchable and UV-resistant, repels splashed water and can be dyed to match the skin tone. Prostheses coated with Ottobock SuperSkin have an even more natural appearance and are, for example, more resistant against dirt.

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Thermopaper "Giraffes, light green"

- + For individually dyeing plastics such as ThermoLyn PE 200, ThermoLyn PP-C and ThermoLyn PP-H
- + Extensive choice of designs

Article number	623P50=2	623P50=5	623P50=10
Length	2 m	5 m	10 m
Width	75 cm	75 cm	75 cm
Colour	light green	light green	light green

2

3



Thermopaper "Starry sky, blue"

- + For individually dyeing plastics such as ThermoLyn PE 200, ThermoLyn PP-C and ThermoLyn PP-H
- + Extensive choice of designs

Article number	623P52=2	623P52=5	623P52=10
Length	2 m	5 m	10 m
Width	75 cm	75 cm	75 cm
Colour	blue	blue	blue

4

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Thermopaper "Mega Jeans"

- + For individually dyeing plastics such as ThermoLyn PE 200, ThermoLyn PP-C and ThermoLyn PP-H
- + Extensive choice of designs

Article number	623P61=2	623P61=5	623P61=10
Length	2 m	5 m	10 m
Width	75 cm	75 cm	75 cm
Colour	blue	blue	blue

7

8



Thermopaper "Mini Jeans"

- + For individually dyeing plastics such as ThermoLyn PE 200, ThermoLyn PP-C and ThermoLyn PP-H
- + Extensive choice of designs

Article number	623P62=2	623P62=5	623P62=10
Length	2 m	5 m	10 m
Width	75 cm	75 cm	75 cm
Colour	blue	blue	blue

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Practical recommendation:

- Warm the synthetic material until it becomes completely transparent. Cut the thermopaper to size and apply it, with the design facing down, onto the precut component; carefully smooth the thermopaper from the middle towards the outside edges. After approx. 20 seconds, pull the thermopaper off the material.

12

Thermopaper "Stars, pink"

- + For individually dyeing plastics such as ThermoLyn PE 200, ThermoLyn PP-C and ThermoLyn PP-H
- + Extensive choice of designs



Application example



Heat the synthetic material until it has the temperature appropriate for vacuum forming (e.g. ThermoLyn PP-H becomes transparent). With the design downwards, place the tailored thermopaper on the tailored sheet.



Carefully smoothen the thermopaper, moving from the middle to the outer edge.



After approx. 20 seconds pull the thermopaper from the material. Place the thermoplastic material in the oven again until the appropriate temperature for the vacuum forming process has been reached again. Place the printed synthetic material around the model.

Article number	623P60=2	623P60=5	623P60=10
Length	2 m	5 m	10 m
Width	75 cm	75 cm	75 cm
Colour	Pink	Pink	Pink



Practical recommendation:

- Warm the synthetic material until it becomes completely transparent. Cut the thermopaper to size and apply it, with the design facing down, onto the pre-cut component; carefully smooth the thermopaper from the middle towards the outside edges. After approx. 20 seconds, pull the thermopaper off the material.

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Socket Decor "Giraffes, light green"

- + For individual dyeing with lamination technology
- + Extensive choice of designs

Article number	623S50=15	623S50=20
Length	1.5 m	1.5 m
Width	15 cm	20 cm
Colour	light green	light green

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Socket Decor "Starry sky, blue"

- + For individual dyeing with lamination technology
- + Extensive choice of designs

Article number	623S52=15	623S52=20
Length	1.5 m	1.5 m
Width	15 cm	20 cm
Colour	blue	blue

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Socket Decor "Mega Jeans"

- + For individual dyeing with lamination technology
- + Extensive choice of designs

Article number	623S61=15	623S61=20
Length	1.5 m	1.5 m
Width	15 cm	20 cm
Colour	blue	blue

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Socket Decor "Mini Jeans"

- + For individual dyeing with lamination technology
- + Extensive choice of designs

Article number	623S62=15	623S62=20
Length	1.5 m	1.5 m
Width	15 cm	20 cm
Colour	blue	blue

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Practical recommendation:

- In order to laminate socket decors, they may be sewn up and used as the first and/or last layer of the laminate like a stockinette, with the design facing the visible side.

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Socket Decor "Stars, pink"

- + For individual dyeing with lamination technology
- + Extensive choice of designs

Application example



Pull the decor fabric around the socket model with the design facing inwards. Use your hand to pre-tension the decor fabric and, with the help of a pencil, transfer the socket contour. Do not use permanent markers, ball-point pens etc., because these could cause discolorations during the laminating process.



Tuck the decor fabric in within the marked contour and with a 5 mm reduction. Allow the distal seam to taper off. The seam can then only be seen on the medial side. Using a pair of scissors, cut to size along the outer side of the seam leaving a maximum of 2 mm of the decor fabric behind the seam.



Turn the decor fabric so that the design faces outwards, and then pull it over the socket model. Place the seam in a less conspicuous position on the socket (e.g. medially).



Article number	623S60-15	623S60-20
Length	1,5 m	1,5 m
Width	15 cm	20 cm
Colour	Pink	Pink



Practical recommendation:

- In order to laminate socket decors, they may be sewn up and used as the first and/or last layer of the laminate like a stockinette, with the design facing the visible side.

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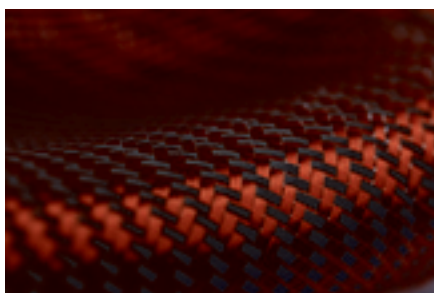
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CarbonTEX

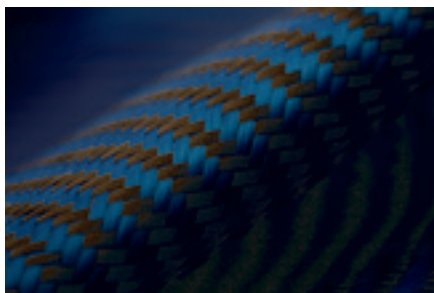
- + For individual dyeing with lamination technology
- + Good absorption of all Ottobock lamination resins
- + Good draping characteristics
- + Conventional lamination process
- + No additional technical knowledge or workshop facilities required
- + Extensive choice of designs

Carbon fibre fabric



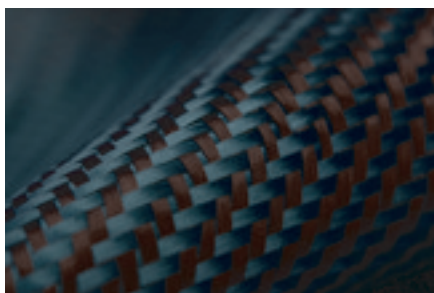
Carbon fibre fabric "red"

Article number	616G120=2-2	616G120=5-2	616G120=10-2
Length	2 mm	5 mm	10 mm
Width	1 mm	1 mm	1 mm
Colour	Red (2)	Red (2)	Red (2)



Carbon fibre fabric "blue"

Article number	616G120=2-5	616G120=5-5	616G120=10-5
Length	2 mm	5 mm	10 mm
Width	1 mm	1 mm	1 mm
Colour	blue (5)	blue (5)	blue (5)



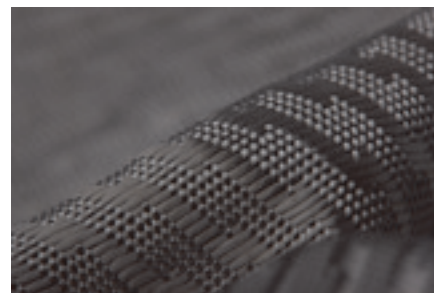
Carbon fibre fabric "green"

Article number	616G120=2-3	616G120=5-3	616G120=10-3
Length	2 mm	5 mm	10 mm
Width	1 mm	1 mm	1 mm
Colour	Green (3)	Green (3)	Green (3)

Fibre glass fabric

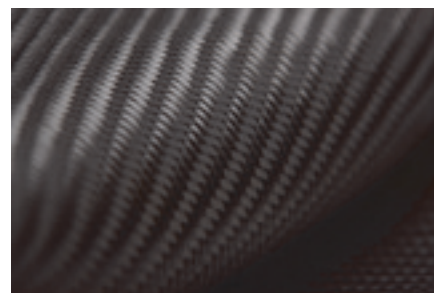
Fibre glass fabric "silver"

Article number	616G180=2-16	616G180=5-16	616G180=10-16
Length	2 mm	5 mm	10 mm
Width	1 mm	1 mm	1 mm
Colour	Silver (16)	Silver (16)	Silver (16)



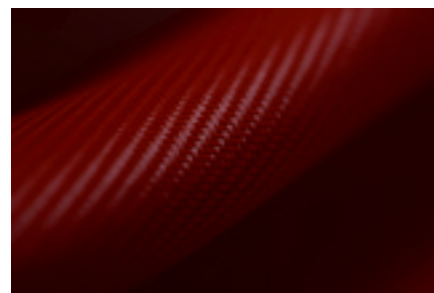
Fibre glass fabric "light silver"

Article number	616G180=2-16.4	616G180=5-16.4	616G180=10-16.5
Length	2 mm	5 mm	10 mm
Width	1 mm	1 mm	1 mm
Colour	Light silver (16.4)	Light silver (16.4)	Light silver (16.4)



Fibre glass fabric "light red"

Article number	616G180=2-2.4	616G180=5-2.4	616G180=10-2.4
Length	2 mm	5 mm	10 mm
Width	1 mm	1 mm	1 mm
Colour	Light red (2.4)	Light red (2.4)	Light red (2.4)



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Practical recommendation CarbonTEX

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Application example



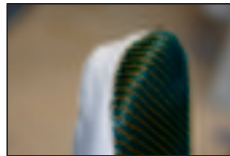
Mask the required piece of CarbonTEX with double-sided PVC adhesive tape (616F10=6) and then use a pair of scissors to cut off the CarbonTEX along the centre line of the adhesive tape.



Remove the adhesive tape's greaseproof paper so that only the transparent adhesive remains on the woven material. Then attach the cut piece to the model as shown on the picture. Pay attention to the fibre direction in order to ensure optimal absorption of force.



In the foot area, the fibres should run parallel to the walking direction.



Attach the woven material up to slightly over the brim in order to cover the entire surface.



Practical recommendation:

- Use with acrylic, epoxy and polyester resin systems possible
- Suitable for decorative purposes, but not as structural component of the laminate
- Lamination without colour paste to prevent distortion of the colour result

SuperSkin Sampler Ring

- + For the visual and haptic demonstration of the various colour samples
- + Supports choosing the desired hue

Article number	646M13
Design	Skin tones



 646T7=4.8D



Practical recommendation:

- You can achieve the colour results provided in the 646M13 Colour Sample Kit by using different mixing ratios from the SuperSkin colour table below. See Page 232.
- For details on the mixing ratios, see the 646T7=4.8D Processing Instructions.

SuperSkin Sampler Ring

- + For the visual and haptic demonstration of the various colour samples
- + Supports choosing the desired hue

Article number	646M18=D
Design	RAL colours



 646T7=4.8D



Practical recommendation:

- You can achieve the colour results provided in the 646M18=D Colour Sample Kit by using different mixing ratios from the SuperSkin colour table below. See Page 232.
- For details on the mixing ratios, see the 646T7=4.8D Processing Instructions.

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SuperSkin for PUR Products

- + Especially well suited for coating PUR flexible foam covers, Ottobock prosthetic feet and 99B15 Nylon Connectors
- + Does not require primer when used with polyurethane foams or Ottobock prosthetic feet
- + Ready for spraying
- + Can be individually dyed
- + Insensitive to dirt
- + Washable



646A230=GB 646T7=4.8D

Order example

Reference number = Net contents - Colour

635C1 = 0.5 - 14

		Net contents				
		0.225 kg (0.25)	0.45 kg (0.5)	0.9 kg (1)	2.3 kg (2.5)	4.7 kg (5)
Colour	brown (14)	0.25-14	0.5-14	1-14	2.5-14	-
	skin colour (1)	-	-	1-1	2.5-1	5-1
	dark brown (18)	-	-	1-18	2.5-18	-
	pure white (9010)	-	-	1-9010	2.5-9010	-
	gold (1050)	-	-	1-1050	-	-
	bright yellow (1026)	-	-	-	2.5-1026	-
	purple red (3004)	-	-	-	2.5-3004	-
	traffic red (3020)	-	-	-	2.5-3020	-
	signal violet (4008)	-	-	-	2.5-4008	-
	gentian blue (5010)	-	-	-	2.5-5010	-
	pastel turquoise (6034)	-	-	-	2.5-6034	-
	light grey (7035)	-	-	-	2.5-7035	-
	black (9011)	-	-	-	2.5-9011	-

- Recommended target values:
For a transtibial foam cover 150 g
For a transfemoral foam cover 300 g

SuperSkin for non-PUR products

- + Especially well suited for PE foam covers, Pedilin, Plastazote®, Evazote®, laminate, wood, metals and Pedilan lightweight feet (with the exception of PUR products)
- + Can be sprayed
- + Can be individually dyed
- + Insensitive to dirt
- + Washable

Order example

Reference number = Net contents - Colour

635C2A = 1 - 14

		Net contents		
		0.6 kg (1)	1.535 kg (2.5)	3.135 kg (5)
Colour	skin colour (1)	1-1	2.5-1	5-1
	brown (14)	1-14	2.5-14	-
	dark brown (18)	1-18	2.5-18	-

- Recommended target values:
For a transtibial foam cover 150 g (incl. finish thinner)
For a transfemoral foam cover 300 g (incl. finish thinner)



646T7=4.8D




Practical recommendation:

- All products not based on PUR always require a priming coat with 635C3 Primer.

Thinner for 635C2A

- + For thinning 635C2A SuperSkin for non-PUR products

Article number	635C2B=0.5	635C2B=1	635C2B=2.5
Net contents	0.3 kg (0.5)	0.77 kg (1)	1.57 kg (2.5)

	635C2B Thinner for 635C2A 1	:	635C2A SuperSkin for non-PUR products 2
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646T7=4.8D



Practical recommendation:

- All products not based on PUR always require a priming coat with 635C3 Primer.

Evazote® and Plastazote® are registered trademarks of Zotefoams.

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Primer for Non-PUR Products

- + To be used before coating PE foam covers, Pedilin, Plastazote®, Evazote®, laminate, wood, metals and Pedilan lightweight feet (with the exception of PUR products)
- + Facilitates adhesion of SuperSkin to a variety of materials

2

Article number	635C3=0.5	635C3=1
Net contents	0.45 kg (0.5)	0.9 kg (1)
Colour	white	white

3



646A230=GB 646T7=4.8D

4



Practical recommendation:

- 636N9 Ottobock Contact Adhesive can be used as an additional primer for EVA foams, especially for concave areas (undercuts), in order to prevent the paint from overtensioning.

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PUR Foam Adhesive

- + For adhering PUR foams, PUR-EVA bonds and other materials (e.g. connection caps for prosthetic feet, foam connecting caps)
- + Ready for spraying
- + Highly elastic

7

Article number	636W58
Net contents	0.65 kg
Colour	transparent



646T7=4.8D

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Practical recommendation:

- Please apply thinly.

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Evazote® and Plastazote® are registered trademarks of Zotefoams.

SuperSkin Cleaner

- + For cleaning Pedilan lightweight feet and laminate as well as for etching the surface of Ottobock prosthetic feet before spraying
- + For cleaning the high-performance spray gun and other foam-finishing tools
- + Can also be used for working the edges of ThermoLyn clear and ThermoLyn PETG clear

Article number	634A80=1	634A80=2.5
Net contents	0.75 kg (1)	1.9 kg (2.5)



Danger

646T7=4.8D



Practical recommendation:

- Do not use as thinner.

SuperSkin Repair Set

- + SuperSkin repair set for non-PUR products
- + Touch-up applicator incl. brush and mixing ball
- + Ready to use
- + Insensitive to dirt
- + Washable

Article number	635Z56
Net contents	12 ml
Colour	skin colour



Danger

Accessories

- **746B20** Coating Set incl. spray gun
- **758Z60=1** Spray Booth without fan
- **758Z60=2** Spray Booth with fan

For further information please see our Consulting, Planning and Equipping catalogue (646K10=D).

Individual coatings from Ottobock Customer Service

You can also contact Ottobock Customer Service to have your PUR or PE/EVA products upgraded. Phone +49(0)5527 848-0 or consult your responsible contact person.

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Small Parts and Accessory Parts

This section contains a broad selection of metal, small and accessory parts that are needed for the fabrication of prostheses and orthoses (“splints”). Traditional, proven materials such as steel, light metal, aluminum alloys and plastics are used here. Accessory Parts include materials that are used up during processing of the main materials, such as sanding and lubricating agents.

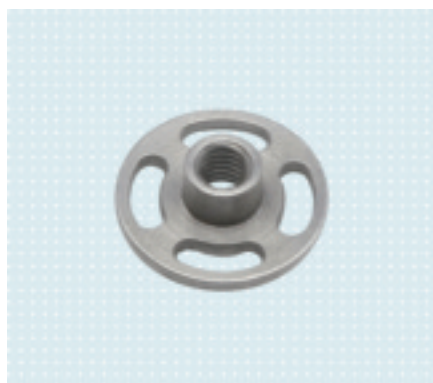
While donning a transfemoral prosthesis is a daily routine for many prosthesis wearers, the procedure is nevertheless very cumbersome and may even be painful. Easy-Proth[®], a very effective tool for easily donning transfemoral prostheses with a valve opening, was developed in cooperation with prosthesis wearers in order to solve this problem. Now the Easy-Proth[®] is also available for arm prostheses with a valve opening.

Thanks to ongoing further development, most patients today can be fitted with ready-made supports, the goal being to treat patients according to their specific indications, provide early mobilisation, assist and accelerate the healing process and to prevent new injuries.

Walking aids are required in various life situations. Sometimes they are only needed temporarily, and other times they are required for continuous support, therapy or active training. Walking aids give those with walking difficulties a feeling of safety and stability. These aids improve walking performance, increase mobility and expand the radius of activity. Forearm crutches and canes are mainly used for support. They are indispensable for treating injuries and disabilities today.

HIGHLIGHTS

29Y57 Polytol Lamination Disc



- + For fabricating sockets, e.g. Polytol sockets
- + Good infusion of Polytol and silicones
- + Can be used in conjunction with Ottobock Orthocryl resins
- + Facilitates good absorption of resin, particularly by the underlying reinforcement materials
- + "Invisible" frame fixation
- + No corrosion

633F50=1 Silicone Grease



- + Ideal gliding layer for vacuum forming on all plaster models (also possible without sock)
- + Simplifies the fabrication of consistent wall thicknesses
- + Thixotrope
- + Air permeable
- + Non-hardening

OC1560 Easy-Proth® Arm Donning Sheath



- + Enables easy donning of arm prostheses with a valve opening
- + Saves time, easy to use
- + Makes donning the prosthesis more comfortable
- + Durable
- + Hand-washable at max. 30 °C/86 °F

Easy-Proth® is a registered trademark of Arion Holding B.V..

DUR Aluminum Sheet Metal

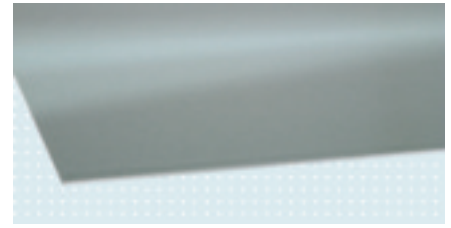
- + For fabricating straps and FOs
- + The proven classic material!
- + Aluminium: approx. 95%; copper, magnesium, manganese: approx. 5%
- + Strength approx. 400 N/mm²
- + Good malleability by beating out and reshaping

Order example

Reference number = Thickness

605T1 = 1.25

Reference number	605T1
Length	1,000 mm
Width	500 mm
Thickness	1.25 mm, 1.5 mm, 1.75 mm, 2 mm, 2.25 mm, 2.5 mm, 3 mm, 4 mm, 5 mm



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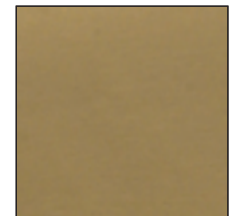
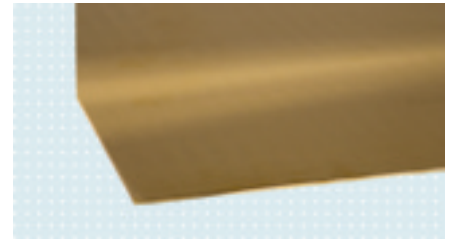
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Brass Sheet (Durana)

- + For fabricating straps and FOs
- + Copper: approx. 63%; zinc: approx. 37%
- + Strength approx. 440 N/mm²
- + Cold-rolled

Article number	608T1=1.5	608T1=2.0
Length	1,000 mm	1,000 mm
Width	600 mm	600 mm
Thickness	1.5 mm	2 mm



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Steel Sheet

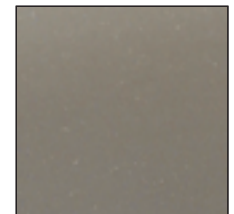
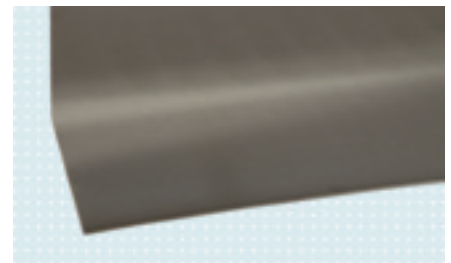
- + For fabricating straps and FOs
- + Stainless steel (V2A)
- + High strength approx. 900-1100 N/mm²
- + Cold-rolled
- + Finished surface

Order example

Reference number = Length - Thickness

651T1 = 2000 - 2

Reference number	651T1	651T1
Length	2,000 mm	1,000 mm
Width	1,000 mm	1,000 mm
Thickness	2 mm, 2.5 mm	1 mm, 2 mm, 2.5 mm



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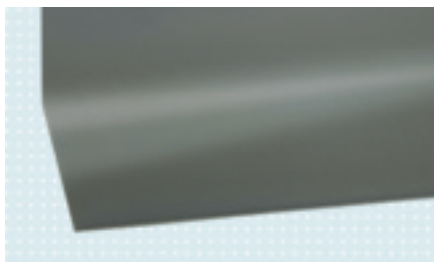
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Black Steel Sheet

- + For fabricating straps and FOs
- + Strength approx. 370 N/mm²
- + Unalloyed
- + Hot-rolled

2

Article number	603T1=2x1x2
Length	2,000 mm
Width	1,000 mm
Thickness	2 mm

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Light Metal Profile Bar

- + For fabricating system splints
- + Aluminium
- + Strength approx. 400 N/mm²
- + Round edges
- + Good malleability by reshaping

646A230=GB

6

Article number	605P8=16	605P8=20
Length	2,000 mm	2,000 mm
Width	16 mm	20 mm
Thickness	5 mm	5 mm

7



Nirosta Profile Bar

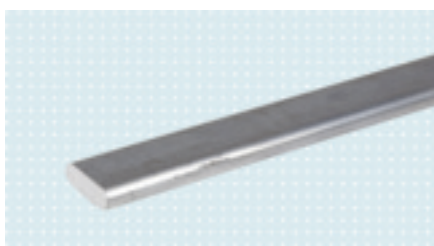
- + For fabricating system splints
- + High strength approx. 800-950 N/mm²
- + Round edges
- + Spot weldable
- + Good malleability by reshaping

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Article number	651P4=16	651P4=20
Length	2,000 mm	2,000 mm
Width	16 mm	20 mm
Thickness	4 mm	4 mm

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Unilateral System Splint

- + For fabricating unilateral joint systems
- + For connection to the ankle bars as well as to the proximal extension of the construction
- + 17S1=2 also suitable for E-MAG knee joints
- + Light metal
- + Dimensions matched to the knee and ankle joints

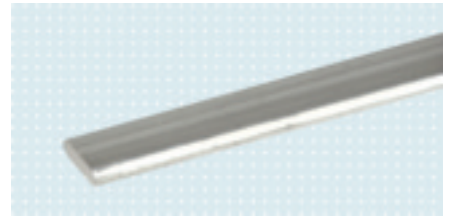
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Article number	17LS1=1	17LS1=2	17LS1=3
Length	1,000 mm	1,000 mm	1,000 mm
Width	8 mm	7 mm	6 mm
Thickness	23.6 mm	17.8 mm	15.2 mm

Spring Band Steel Profile Bar

- + Stainless steel
- + High strength approx. 1400 N/mm²
- + Round edges
- + Cold-rolled



Article number	651B1=12
Length	2,000 mm
Width	12 mm
Thickness	2 mm

Forged Bar

- + Flat steel
- + High strength approx. 600-700 N/mm²
- + Hot-rolled
- + Finished surface
- + Stained
- + Oil-free



Order example

Reference number	=	Width	x	Thickness
603F1	=	20	x	8

Reference number	603F1
Length	3,000 mm
Width	20 mm, 24 mm, 25 mm, 30 mm
Thickness	8 mm, 15 mm

- Available in all common sizes on request.

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Straps

- + For structural as well as conventional fabrication of orthoses
- + For modular joint systems (orthoses)
- + Various versions (steel sheet, sheet aluminium, stainless steel and titanium) available

Article number	17Z4=192	17Z4=235	17Z4=280	17Z4=325
Material	Steel Sheet	Steel Sheet	Steel Sheet	Steel Sheet
Length	192 mm	235 mm	280 mm	325 mm
Width	30 mm	30 mm	30 mm	30 mm
Thickness	1.5 mm	1.5 mm	2 mm	2 mm

Article number	17Z5=192	17Z5=235	17Z5=280	17Z5=325
Material	Aluminium Sheet Metal	Aluminium Sheet Metal	Aluminium Sheet Metal	Aluminium Sheet Metal
Length	192 mm	235 mm	280 mm	325 mm
Width	30 mm	30 mm	30 mm	30 mm
Thickness	2 mm	2 mm	2 mm	2 mm

Article number	17Z9=192	17Z9=235	17Z9=280	17Z9=325
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Length	192 mm	235 mm	280 mm	325 mm
Width	30 mm	30 mm	30 mm	30 mm
Thickness	1.5 mm	1.5 mm	2 mm	2 mm

Article number	17Z10=192	17Z10=235	17Z10=280	17Z10=325
Material	Titanium	Titanium	Titanium	Titanium
Length	192 mm	235 mm	280 mm	325 mm
Width	30 mm	30 mm	30 mm	30 mm
Thickness	1.6 mm	1.6 mm	2 mm	2 mm



Seating Tape

- + For structural as well as conventional fabrication of orthoses
- + For modular joint systems (orthoses)
- + Especially as a proximal reinforcement band
- + Available in sheet steel and in stainless steel versions

Article number	17Z1	17Z2
Material	Steel Sheet	Stainless steel
Length	320 mm	320 mm
Width	35 mm	35 mm
Thickness	2 mm	2 mm

Rubber Bumper Cord, hard

- + Solid rubber
- + Solid material
- + Firm
- + Hardness approx. 65° Shore A



Article number	619G3=22	619G3=24
Ø	22	24
Colour	black	black

Polyamide Round Rod

- + Solid material
- + Increased hardness
- + Wear resistance
- + Abrasion resistance



Order example

Reference number = Ø

616U2 = 10

Reference number	616U2
Ø	10 mm, 14 mm, 20 mm, 25 mm, 30 mm
Length	1 m

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Sintering Powder

- + For coating materials in a sintering bath, e.g. orthotic splints
- + For a smooth surface
- + Ionomer
- + Thermoplastic powder
- + Melting temperature: 93 °C (199.4 °F)
- + Welding temperature 105 – 108°C/221 – 226°F
- + Good corrosion protection
- + Good UV protection

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Article number	618T40=H	618T40=W	618T40=S
Net contents	4 kg	4 kg	4 kg
Colour	Skin colour (H)	White (W)	Black (S)

4

Other RAL colours are available upon request.

Sintering devices are listed in the “Consulting, Planning and Equipping” catalogue (646K10=D).

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Flame Coating Powder

- + For coating metallic and other base materials
- + For sealing
- + For a smooth surface
- + Thermoplastic powder
- + For 746B1 Flame Coating Spray Gun
- + Melting temperature: 70 – 110 °C (158 - 230 °F)
- + Good corrosion protection
- + Good erosion protection

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Order example

Reference number = Colour

618T60 = 3

8

Reference number	618T60
Net contents	1 kg
Colour	Green (3), blue (5), White (6), Black (7), Brown (8)

9

Other colours are available upon request.

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Practical recommendation:

- Depending on the respective application, the recommended coating thickness is 0.3 – 1 mm
- In order to achieve complete coverage of the surface to be coated, the powder should be applied in alternating horizontal and vertical layers, or in a rotational motion. If required, the plastic spray coat can be re-melted with a flame and compressed air – without the addition of further powder.

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Shrinkable Tubing

- + For covering devices, e.g. orthotic joints or orthotic splints
- + Plastic hose with rounded edges
- + Good insulation protection
- + Good corrosion protection
- + Good resistance to liquids



Article number	616Z9=25.4x30	616Z9=19x61
Diameter	25.4 mm	19 mm
Length	30 m	61 m
Colour	black	black

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White Corundum Sanding Paper

- + For groundwood
- + Excellent sanding performance

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Article number	649P7=40	649P7=60	649P7=80	649P7=100
Grain	40	60	80	100
Width	600 mm	600 mm	600 mm	600 mm

3

⊖ Please specify length when ordering.

4



Linen Sanding Belt

- + For groundwood
- + For machine sanding
- + Fast sanding and dispersion

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Order example

Reference number = Width x K Grain
649G4 = 55 x K 40

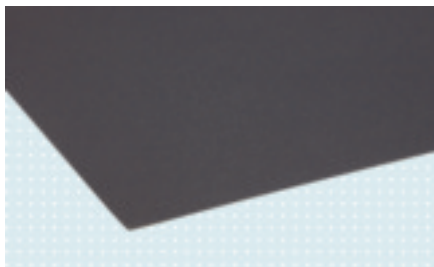
6

Reference number	649G4	649G4
Grain	40, 100, 180	40, 60, 80, 100, 120
Width	55 mm	100 mm

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⊖ Please specify length when ordering.

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Polishing Cloth

- + For groundwood

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Article number	649G1=60	649G1=80	649G1=100	649G1=120	649G1=150	649G1=180
Grain	60	80	100	120	150	180
Length	230 mm	230 mm	230 mm	230 mm	230 mm	230 mm
Width	280 mm	280 mm	280 mm	280 mm	280 mm	280 mm

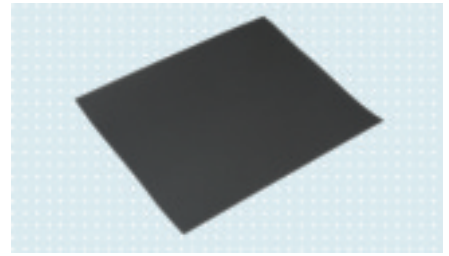
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Wet Sanding Paper

- + For wet sanding
- + For particularly smooth surfaces
- + For fine sanding
- + For polishing metal surfaces
- + Preparing for paintwork
- + Waterproof
- + Adapts to rounded surfaces during the sanding process



Article number	649G8=240	649G8=400
Grain	240	400
Length	280 mm	280 mm
Width	230 mm	230 mm



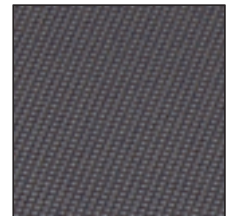
Practical recommendation:

- In order to obtain optimum results, it is advantageous to water the paper for at least 30 minutes before use.

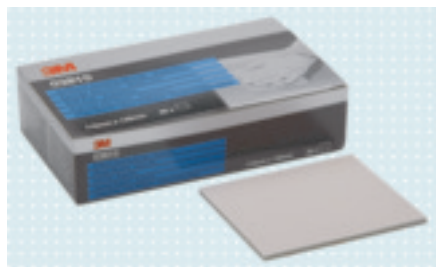
Grit Cloth

- + Makes surface finishing of plaster models easier
- + Adapts to rounded surfaces during the sanding process

Article number	649G22=180
Grain	180
Length	280 mm
Width	230 mm



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Soft Pad Sanding Paper

- + For manually finishing contours, rounded edges and areas that are difficult to access
- + Polyurethane foam with aluminium oxide
- + Can be applied wet and dry
- + Highly flexible, does not kink
- + Does not form sharp edges
- + Adapts to every contour
- + Does not slip in the hand
- + Forms a very fine and even finish

Application example



Squeeze together 649G26 Soft Pad Sanding Paper and submerge it in water until it has fully soaked.



Using the fully soaked soft pad sanding paper, work the plaster model with the grain surface, applying circulating movements and only slight pressure. (Do not rinse sanding residue under running water!) Soft pad sanding paper can be folded centrally, so that small radii can be worked without damaging the brim.



Once again fully soak soft pad sanding paper in water and use it to skim off the plaster model with the foam side in order to close fine pores with plaster residue.

Article number	649G26=320	649G26=400
Design	320	400
Grain	320 – 400 (fine)	400 – 500 (super fine)
Length	115 mm	115 mm
Width	140 mm	140 mm
Height	5 mm	5 mm
Order by	Package of 20	Package of 20



Bar Polisher, rough

- + For polishing splints
- + For rough sanding
- + Coarse

Article number	649Z1
Weight	0.8 kg

Sanding Paste, coarse

- + For splints
- + For freshening up painted surfaces
- + For high-gloss polishing
- + Practical packaging
- + High grease contents provides good cooling
- + Coarse



Article number	649Z4
Weight	0.75 kg

Polishing Paste, green

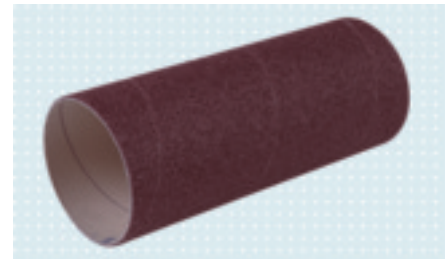
- + For nickel
- + For plastics
- + For surface treatment
- + For high-gloss polishing



Article number	649Z7
Weight	0.7 kg

Sanding Sleeve

- + For 749F6 and 749F6=T Sanding Drums
- + Sanding fabric: corundum
- + Width 190 mm
- + Outer diameter 73 mm
- + Continuously high sanding performance
- + Creates excellent surfaces



Article number	749Y8= 73x200x40	749Y8= 73x200x60	749Y8= 73x200x80	749Y8= 73x200x100
Grain	40	60	80	100
Weight	0.1 kg	0.08 kg	0.07 kg	0.07 kg
Original packaging	25 pcs.	25 pcs.	25 pcs.	25 pcs.
Order by	1 pc.	1 pc.	1 pc.	1 pc.

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Sanding Sleeve

- + For 749Z7 Ottobock Cleaner
- + Width 70 mm
- + Continuously high sanding performance
- + Creates excellent surfaces

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Article number	749Y16=A45	749Y16=B45	749Y16=C45	749Y16=A60	749Y16=B60	749Y16=C60
Grain	40 (A)	80 (B)	120 (C)	40 (A)	80 (B)	120 (C)
Outside Ø	45 mm	45 mm	45 mm	60 mm	60 mm	60 mm
Weight	20 g	15 g	13 g	30 g	25 g	20 g
Original packaging	100 pcs.	100 pcs.	100 pcs.	50 pcs.	50 pcs.	50 pcs.
Order by	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.

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Sanding Belt

- + For 749Z3 Habermann Fine Cleaner, small
- + Continuously high sanding performance
- + Creates excellent surfaces

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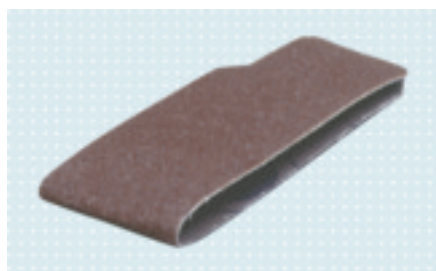
7

Article number	749Y7=A45x58	749Y7=B45x58	749Y7=C45x58
Grain	60	100	150
Outside Ø	45 mm	45 mm	45 mm
Width	58 mm	58 mm	58 mm
Weight	15 g	10 g	9 g
Original packaging	10 pcs.	10 pcs.	10 pcs.
Order by	1 pc.	1 pc.	1 pc.

- Further sanding materials and tools are listed in the "Consulting, Planning and Equipping" Catalogue (646K10=D)

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Sanding Belt

- + For 749Z2 Habermann Fine Cleaner, normal
- + Continuously high sanding performance
- + Creates excellent surfaces

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Article number	749Y7=A60x58	749Y7=B60x58	749Y7=C60x58
Grain	60	100	150
Outside Ø	60 mm	60 mm	60 mm
Width	58 mm	58 mm	58 mm
Weight	17 g	12 g	11 g
Original packaging	10 pcs.	10 pcs.	10 pcs.
Order by	1 pc.	1 pc.	1 pc.

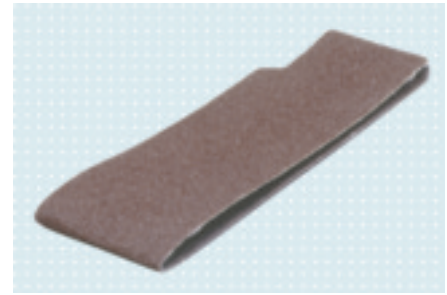
- Further sanding materials and tools are listed in the "Consulting, Planning and Equipping" Catalogue (646K10=D)

Sanding Belt

- + For 749Z5 Habermann Fine Cleaner, oversize
- + Continuously high sanding performance
- + Creates excellent surfaces

Article number	749Y7=A85x58	749Y7=B85x58	749Y7=C85x58
Grain	60	100	150
Outside Ø	85 mm	85 mm	85 mm
Width	58 mm	58 mm	58 mm
Weight	21 g	19 g	13 g
Original packaging	10 pcs.	10 pcs.	10 pcs.
Order by	1 pc.	1 pc.	1 pc.

- Further sanding materials and tools are listed in the "Consulting, Planning and Equipping" Catalogue (646K10=D)



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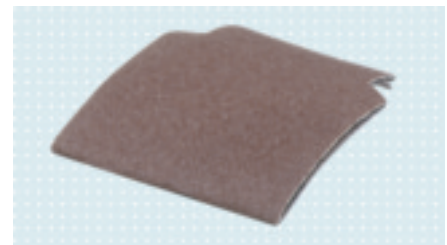
4

Sanding Belt

- + For 749Z4 Habermann Fine Cleaner, long
- + Continuously high sanding performance
- + Creates excellent surfaces

Article number	749Y7=A60x100	749Y7=B60x100	749Y7=C60x100
Grain	60	100	150
Outside Ø	60 mm	60 mm	60 mm
Width	100 mm	100 mm	100 mm
Weight	30 g	20 g	18 g
Original packaging	10 pcs.	10 pcs.	10 pcs.
Order by	1 pc.	1 pc.	1 pc.

- Further sanding materials and tools are listed in the "Consulting, Planning and Equipping" Catalogue (646K10=D)



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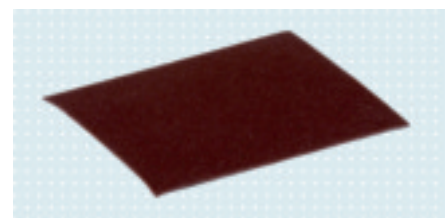
8

Sanding Belt Blank

- + For 749Z11 Polishing/Buffering Cleaner
- + For working wood and plastics
- + Continuously high sanding performance
- + Creates excellent surfaces

Article number	649G19=80	649G19=120
Grain	80	120
Length	55 mm	55 mm
Width	70 mm	70 mm

- Further sanding materials and tools are listed in the "Consulting, Planning and Equipping" Catalogue (646K10=D)



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Sanding Drum

- + For milling machines
- + Holder made of steel
- + With rubber roll
- + Including a sanding sleeve with grain 150

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Article number	749Z8=M16x25	749Z8=5/8"x25	749Z8=1/2"x25
Ø	25 mm	25 mm	25 mm
Thread	M16	5/8"	1/2"-13
Length	50 mm	50 mm	50 mm
Weight	0.15 kg	0.15 kg	0.15 kg

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Rubber Roll

For replacement

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Article number	749Y25=25
for	749Z8
Weight	25 g

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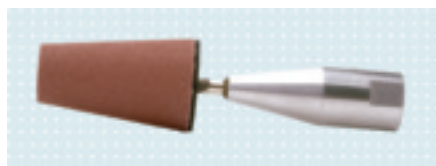
Sanding Sleeve

For replacement

7

Article number	749Y22=A25	749Y22=C25
for	749Z8	749Z8
Grain	40 (coarse) (A)	120 (fine) (C)
Weight	8 g	8 g
Original packaging	50 pcs.	50 pcs.
Order by	1 pc.	1 pc.

8



Sanding Cone

- + For milling machines
- + Holder made of steel
- + With rubber roll
- + Conical sanding-belt body
- + Including a sanding sleeve with grain 180

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Article number	749Z9=M16	749Z9=5/8"	749Z9=1/2"
Ø	36/22 mm	36/22 mm	36/22 mm
Thread	M16	5/8"	1/2"-13
Length	60 mm	60 mm	60 mm
Weight	0.23 kg	0.23 kg	0.23 kg

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Sanding Sleeve

For replacement

Article number	749Y26=40	749Y26=80	749Y26=150
for	749Z9	749Z9	749Z9
Grain	40 (coarse)	80 (medium)	150 (fine)
Weight	6 g	6 g	6 g
Original packaging	100 pcs.	100 pcs.	100 pcs.
Order by	1 pc.	1 pc.	1 pc.

Sanding Drum

- + For milling machines
- + Holder made of steel
- + With rubber roll
- + Including a sanding sleeve with grain 40



Article number	749Z6=M16x22	749Z6=M16x30	749Z6=5/8"x22	749Z6=5/8"x30	749Z6=1/2"-13x22	749Z6=1/2"-13x30
Outside Ø	22 mm	30 mm	22 mm	30 mm	22 mm	30 mm
Thread	M16	M16	5/8"	5/8"	1/2"-13	1/2"-13
Weight	0.16 kg	0.18 kg	0.16 kg	0.18 kg	0.16 kg	0.18 kg

Rubber Roll

For replacement

Article number	749Y15=22	749Y15=30
for	749Z6	749Z6
Outside Ø	22 mm	30 mm
Weight	30 g	80 g

Sanding Sleeve

For replacement

Article number	749Y9=Ax22	749Y9=Cx22	749Y9=Ax30	749Y9=Cx30
for	749Z6	749Z6	749Z6	749Z6
Grain	40 (A)	120 (C)	40 (A)	120 (C)
Outside Ø	22 mm	22 mm	30 mm	30 mm
Weight	2 g	2 g	4 g	3 g
Original packaging	100 pcs.	100 pcs.	100 pcs.	100 pcs.
Order by	1 pc.	1 pc.	1 pc.	1 pc.

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Sanding Drum

- + For milling machines
- + Holder made of steel
- + With rubber roll
- + Conical sanding belt body
- + Including a sanding sleeve with grain 80

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Article number	749Z16=M16	749Z16=M5/8"
Outside Ø	11 mm	11 mm
Thread	M16	5/8"
Length	25 mm	25 mm
Weight	0.14 kg	0.14 kg

4

Article number	749Z17=M16	749Z17=5/8"
Outside Ø	16 mm	16 mm
Thread	M16	5/8"
Length	32 mm	32 mm
Weight	0.14 kg	0.14 kg

5

Article number	749Z18=M16	749Z18=5/8"
Outside Ø	21 mm	21 mm
Thread	M16	5/8"
Length	40 mm	40 mm
Weight	0.14 kg	0.14 kg

6

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Sanding Sleeve

For replacement

8

Article number	749Y45=80	749Y45=150
for	749Z16	749Z16
Grain	80	150
Weight	2 g	2 g

9

Article number	749Y48=80	749Y48=150
for	749Z17	749Z17
Grain	80	150
Weight	2 g	2 g

10

Article number	749Y49=80	749Y49=150
for	749Z18	749Z18
Grain	80	150
Weight	2 g	2 g

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Special Lubricant

- + For all splint joints (stainless steel), also in conjunction with plastics, and for steel joints
- + Especially for steel-on-steel lubrication
- + High water resistance
- + Excellent protection against wear
- + Good corrosion protection



Article number	633F7=0.050	633F7=1
Net contents	0.05 kg	1 kg
Packaging	Tube	Can

Special Lubricant

- + For prosthetic joints
- + For the following material combinations: metal on plastic, leather on plastic and plastic on plastic
- + Excellent temperature stability (from -25 °C to +120 °C/-13°F to 248°F)
- + High resistance to cold and hot water
- + Excellent flexing resistance
- + Excellent protection against wear
- + Good corrosion protection



Article number	633G6
Net contents	0.25 kg
Packaging	Tube

Special Lubricant

- + For gliding surfaces and frictional contacts that are subject to high loads and simultaneously require "non-contaminating" lubrication, particularly at low to medium speeds
- + For all accessible cogs and axles in system electric hands and system electric grippers
- + Good water resistance
- + High load-bearing capacity
- + Excellent protection against wear
- + Good corrosion protection



Article number	633F14=0.050	633F14=1
Net contents	0.05 kg	1 kg
Packaging	Tube	Can



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Gliding Paste, white

- + For all types of machine parts that are simultaneously subjected to impact loads and jarring and/or oscillating movements
- + Especially well suited for modular knee joints
- + Also suitable as a general mounting paste
- + High-performance lubricant for steel (stainless steel, titanium, brass) – also combinations thereof
- + For long-term lubrication under extreme conditions
- + High water resistance
- + Good adhesion
- + Excellent protection against wear
- + Good corrosion protection

Article number	633F16=0.500	633F16=1
Net contents	0.5 kg	1 kg
Packaging	Can	Can

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Teflon® Spray

- + For parting, gliding and lubricating
- + Excellent anti-adhesive properties
- + Without grease

Article number	633T2
Net contents	300 ml

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Practical recommendation:

- With a pendulum-like movement, apply thin and even coats, allowing each coat to dry separately. Polishing with a cloth enhances the repelling characteristics.

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Teflon® is a registered trademark of DuPont.

Silicone Grease 400, medium

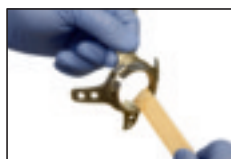
- + Corrosion protection for plug connections, e.g. Myo, E-MAG Active (cable plug)
- + Corrosion protection, e.g. for drive units
- + For the planetary gear set of the drive unit in the area of the upper limbs
- + For isolating components with lamination technique
- + Very good resistance to heat and cold
- + High resistance to ageing
- + Good film-forming ability



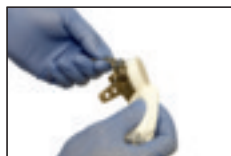
Application example



Apply a pea-sized amount of 633F11 Silicone Grease to the 699Y3 Wooden Spatula.



Prior to laminating, apply silicone grease to the objects that are to be isolated (e. g. thread of a screw, lamination dummy, adapter, orthotic joint). Attention: do not isolate those areas that are to create a bond with the lamination resin.



Before laminating, carefully clean the bonded objects with 634A58 Isopropyl Alcohol.

Article number	633F11
Net contents	0.1 kg
Packaging	Tube

Silicone Grease

Improved formulation

- + Ideal gliding layer for vacuum forming on all plaster models (also possible without sock)
- + Simplifies the fabrication of consistent wall thicknesses
- + Thixotrope
- + Air permeable
- + Non-hardening



Application example



Take an amount of 633F23 Silicone Grease adequate for the model and apply it evenly and thinly to the model.

Article number	633F50=1	633F50=10
Net contents	1 kg	10 kg

1



Silicone Parting Agent

- + For parting, gliding and lubricating
- + Protects rubber, plastic and elastomers from becoming brittle
- + Compact and solvent-free
- + CFC-free

Article number	519L5
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Net contents	0.4 l
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2

3



4



Silicone Oil

- + For silicone braking segments on Jüpa knee joints
- + Parting agent for rubber and plastics
- + Lubricant
- + Water-repellent
- + Temperature resistant

Article number	633X35=0.010
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Net contents	10 g
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5

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Transmission and Universal Oil

- + For highly stressed machine parts, bearings and gears
- + Good corrosion protection
- + Water-repellent
- + Temperature resistant

Article number	633X13=0.020
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Net contents	20 g
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8

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Sewing Machine Oil

- + For precision-mechanical devices
- + Good corrosion protection

Article number	633F17
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Weight	0.1 kg
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Net contents	100 cm ³
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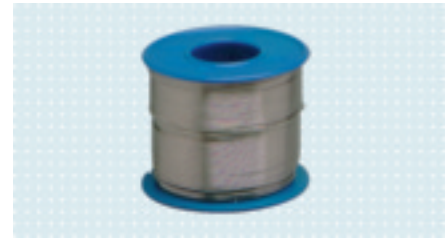
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Quick - Curing Solder

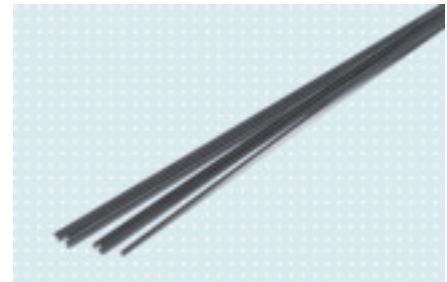
- + For soldering work
- + 60% zinc, 40% lead
- + Melting temperature: 70 °C (158 °F)
- + Reliable soldering even at low solder temperatures
- + Excellent flowing properties



Article number	637L7
Ø	1 mm
Weight	0.5 kg

Silver Solder

- + For soldering stainless steel, e.g. for soldering all Ottobock splints made of stainless steel
- + Melting temperature: 595 - 630 °C (1103 - 1166 °F)
- + Excellent flowing properties
- + Soldered joints are durable up to an operating temperature of 200 °C/392 °F



Article number	637L8=1.5x500
Ø	1.5 mm
Length	500 mm

Fluxing Agent

- + For soldering with 637L8=1.5x500 Silver Solder
- + For soldering steel, stainless steel and other metals, except light metals
- + Pasty consistency



Article number	637F1=0.100	637F1=0.500
Weight	0.1 kg	0.5 kg



Practical recommendation:

- If the paste is too thick for certain applications, it can be thinned with water.
- Flux residue can be removed with water or etching agent.

Welding Wire

- + For autogenous welding
- + Low-alloy steel
- + Low viscosity
- + Suitable for operating temperatures up to 350 °C/662 °F



Article number	637D1=2	637D1=3	637D1=4
Ø	2 mm	3 mm	4 mm
Length	1,000 mm	1,000 mm	1,000 mm

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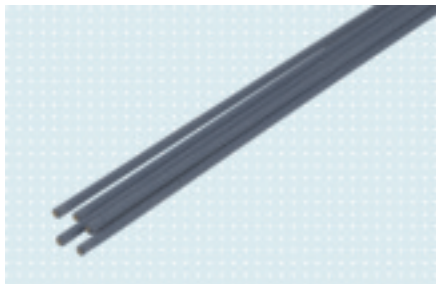
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Welding Electrode

- + For welding stainless steel, e.g. for welding all Ottobock splints made of stainless steel
- + For base materials that are hard to weld, e.g. tool steel
- + Good corrosion protection
- + Suitable for operating temperatures up to 300 °C/572 °F

Article number	637E1=2x300
Ø	2 mm
Length	300 mm

• Other sizes available upon request.

Iron Rivet

- + For permanent joints
- + With flat head
- + Iron, galvanised
- + No thread necessary



2:1

Article number	Ø	Length	Minimum order quantity
504F1=3x10	3 mm	10 mm	1,000 pcs.
504F1=3x12	3 mm	12 mm	1,000 pcs.
504F1=3x15	3 mm	15 mm	1,000 pcs.
504F1=3x20	3 mm	20 mm	1,000 pcs.
504F1=3x25	3 mm	25 mm	1,000 pcs.
504F1=3x30	3 mm	30 mm	1,000 pcs.
504F1=4x25	4 mm	25 mm	500 pcs.
504F1=4x20	4 mm	20 mm	1,000 pcs.
504F1=4x30	4 mm	30 mm	1,000 pcs.

Copper Rivet

- + For permanent joints
- + With flat head
- + Copper
- + No thread necessary



2:1

Article number	Ø	Length	Minimum order quantity
504F2=3x6	3 mm	6 mm	1,000 pcs.
504F2=3x8	3 mm	8 mm	1,000 pcs.
504F2=3x10	3 mm	10 mm	1,000 pcs.
504F2=3x12	3 mm	12 mm	1,000 pcs.
504F2=3x15	3 mm	15 mm	1,000 pcs.
504F2=3x20	3 mm	20 mm	1,000 pcs.
504F2=3x25	3 mm	25 mm	1,000 pcs.
504F2=3x30	3 mm	30 mm	1,000 pcs.
504F2=4x25	4 mm	25 mm	500 pcs.
504F2=4x30	4 mm	30 mm	500 pcs.
504F2=4x20	4 mm	20 mm	1,000 pcs.

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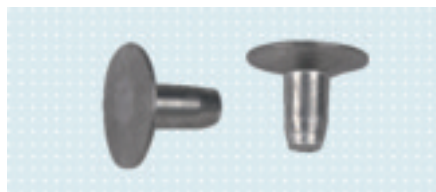
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Light Metal Rivet

- + For permanent joints
- + With flat head
- + Aluminium
- + No thread necessary

2

🔍 2:1

Order example

Reference number	=	Ø	x	Length
504F3	=	3	x	6

3

Reference number	504F3
Ø	3 mm
Length	6 mm, 8 mm, 10 mm, 12 mm, 15 mm, 20 mm
Minimum order quantity	1,000 pcs.

4

5



Rivet

- + For permanent joints
- + With flat head
- + Stainless steel
- + No thread necessary

6

🔍 2:1

Article number	504F6=3x16
Ø	3 mm
Length	16 mm
Minimum order quantity	500 pcs.

7



Double Speed Rivet

- + For permanent joints
- + Lower part open, upper part closed
- + Iron, nickel-plated
- + No thread necessary

8

🔍 2:1

Article number	504H1=5	504H1=7	504H1=10	504H1=12
Head Ø	5 mm	7 mm	10 mm	12 mm
Minimum order quantity	1,000 pcs.	1,000 pcs.	1,000 pcs.	1,000 pcs.

9

10



Hollow Rivet

- + Can be used for fastening e.g. straps, flaps
- + For permanent joints
- + Lower part open, upper part open
- + Brass, nickel-plated
- + No thread necessary

11

🔍 2:1

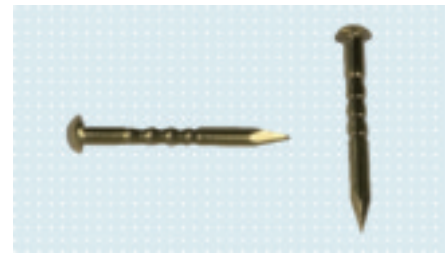
Article number	504H3=7	504H3=11	504H3=13
Head Ø	7 mm	11 mm	13 mm
Minimum order quantity	100 pcs.	100 pcs.	100 pcs.

12

Brass Pins

- + For fastening, e.g. brass plates
- + Versatile application!
- + With round head and screw thread

Article number	506A1=1.3x13
Head Ø	1.3 mm
Length	13 mm
Minimum order quantity	0.25 kg



2:1

Tacks

- + For milling leather
- + Iron, polished

Article number	628N5=12	628N5=16	628N5=20
Length	12 mm	16 mm	20 mm
Minimum order quantity	1 kg	1 kg	1 kg

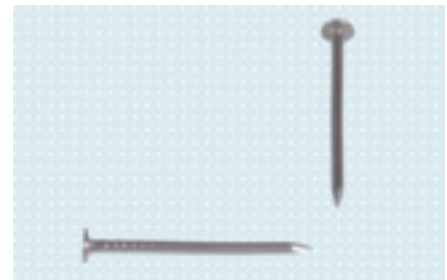


2:1

Milling Pins

- + For milling leather
- + For joining wood together
- + Steel
- + Flat head

Article number	628N1=1.6x30
Ø	1.6 mm
Length	30 mm
Minimum order quantity	1 kg



1.5:1

Washer / Lamination Disk

- + For distributing a screw force on a larger surface area
- + Prevents the screw head from sinking in or digging into the material
- + Brass

Order example

Reference number	=	Outside Ø	x	Bore Ø	x	Thickness
507U3	=	8	x	3	x	0.5

2:1



Reference number	507U3	507U3	507U3
Outside Ø	8 mm, 10 mm, 12 mm	14 mm, 18 mm	14 mm
Bore Ø	3 mm	4 mm	3.2 mm
Thickness	0.5 mm	0.5 mm	2 mm

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Lamination Disk, serrated

- + For laminating
- + For fastening straps and pull-release cables, e.g. for orthotic joints
- + An M4 thread can be subsequently cut
- + Stainless steel
- + With external toothing

2

⊕ 2:1

Article number	507S15
Outside Ø	13.8 mm
Bore Ø	3 mm
Thickness	1.5 mm

3

4

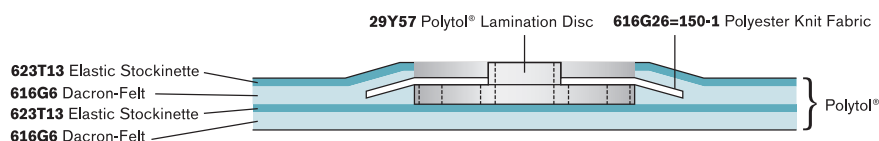


Polytol Lamination Disc

- + For fabricating sockets, e.g. Polytol sockets
- + Good infusion of Polytol and silicones
- + Can be used in conjunction with Ottobock Orthocryl resins
- + Facilitates good absorption of resin, particularly by the underlying reinforcement materials
- + "Invisible" frame fixation
- + No corrosion

5

6



Article number	29Y57
Thread	M4

7

8



Slotted Truss Head Screw / Hessian Screw

- + For universal fastening applications, e.g. wood to metal
- + Stainless steel

⊕ 2:1

Article number	501S16=M4x8x10	501S16=M4x10x10	501S16=M4x12x10
Thread	M4	M4	M4
Thread length	8 mm	10 mm	12 mm
Head Ø	10 mm	10 mm	10 mm

9

10



Slotted Truss Head Screw

- + For universal fastening applications, e.g. wood to metal
- + Stainless steel
- + DIN 85-A2

⊕ 2:1

Article number	501S33=M4x6x8	501S33=M4x12x8	501S33=M4x16x8	501S33=M5x16x10
Thread	M4	M4	M4	M5
Thread length	6 mm	12 mm	16 mm	16 mm
Head Ø	8 mm	8 mm	8 mm	10 mm

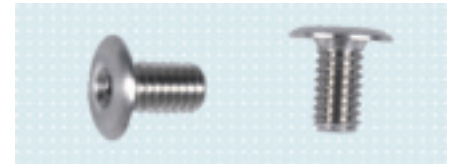
11

12

Socket Screw with Allen head

- + For universal fastening applications
- + Stainless steel
- + Flat head so that there is little bulging
- + Allen head ensures that there are no sharp edges as is the case with slotted screws

Article number	503F3
Thread	M4
Thread length	7 mm
Head Ø	8 mm

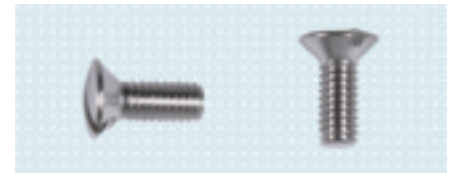


2:1

Slotted Oval Head Screw

- + For universal fastening applications
- + Stainless steel
- + Oval head
- + Countersunk head, flush with material surface after mounting

Article number	501S27=M4x10	501S27=M4x25
Thread	M4	M4
Thread length	10 mm	25 mm
Head Ø	7.2 mm	8 mm



2:1

Two Hole Joint Nut

- + Especially for 505G1 Joint Bolt
- + With metric thread

Article number	502R1=M4x14	502R1=M5x16	502R1=M5x18	502R1=M5x20	502R1=M6x20	502R1=M6x22
Thread	M4	M5	M5	M5	M6	M6
Head Ø	14 mm	16 mm	18 mm	20 mm	20 mm	22 mm



2:1

Phillips Countersunk Head Screw

- + For universal fastening applications
- + Stainless steel
- + Countersunk head, flush with material surface after mounting

Order example

Reference number = Thread x Length
501T19 = M4 x 6

Reference number	501T19	501T19
Thread	M4	M5
Length	6 mm, 8 mm, 9 mm, 10 mm, 12 mm, 16 mm, 20 mm	6 mm, 8 mm, 10 mm, 12 mm, 18 mm



2:1

1



Ankle Screw / Top Bolt

- + For fixating splints in conjunction with leather prostheses
- + Free-cutting steel

2

🔍 1:2

Article number	2Z1=05x84	2Z1=05x100	2Z1=06x84	2Z1=06x100	2Z1=07x84	2Z1=07x100
Thread	M05	M05	M06	M06	M07	M07
Length	84 mm	100 mm	84 mm	100 mm	84 mm	100 mm

3



Slotted Raised Head Wood Screw

- + For screw connections in wood
- + Steel, nickel-plated
- + Oval head
- + Countersunk head, flush with material surface after mounting

4

🔍 2:1

Article number	503L1=2.5x10	503L1=3x12	503L1=3x20
Ø	2.5 mm	3 mm	3 mm
Length	10 mm	12 mm	20 mm

5

6



Phillips Screw with Plastic Head

- + For belt attachments
- + Available with white or black plastic head

Order example

Reference number	=	Thread	x	Length	-	Colour
29Y27	=	M4	x	6	-	6

🔍 1.5:1

Reference number	29Y27	29Y27
Thread	M4	M4
Length	6 mm, 8 mm, 10 mm, 12 mm, 20 mm	6 mm, 8 mm, 12 mm, 20 mm
Colour	White (6)	Black (7)

8

9



Pad Screw Head

- + For fastening straps and supports
- + Nickel-plated

🔍 1.5:1

Article number	516S1=6	516S1=8
Thread	M4	M4
Thread length	6 mm	6 mm
Head Ø	5.5 mm	5.5 mm
Head height	6 mm	8 mm

10

11

12

Pad Screw Head

- + For fastening straps and supports
- + Stainless steel, nickel-plated

Article number	516S3
Thread	M4
Thread length	5.5 mm
Head Ø	6 mm
Head height	6.5 mm
Base Ø	8 mm



⊕ 2:1

1

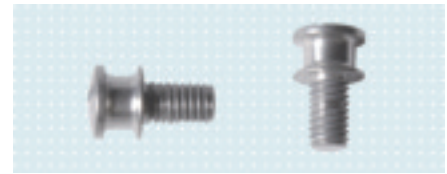
2

3

Pad Screw Head

- + For fastening straps and supports
- + Stainless steel

Article number	516S4
Thread	M4
Thread length	7 mm
Head Ø	7 mm
Head height	5 mm



⊕ 2:1

4

5

Pad Rivet Head

- + For fastening straps and supports
- + Brass, nickel-plated

Article number	516N3
Head Ø	10 mm
Head height	7 mm
Stud Ø	3 mm
Stud length	6 mm



⊕ 2:1

6

7

8

Pad Rivet Head

- + For fastening straps and supports
- + Brass, nickel-plated

Article number	516N4=6	516N4=8
Head Ø	5.5 mm	5.5 mm
Head height	6 mm	8 mm
Stud Ø	3 mm	3 mm
Stud length	4.5 mm	7 mm



⊕ 2:1

9

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Pad Screw Head

- + For fastening straps and supports
- + Plexidur

2

⊕ 1.5:1

Article number	516N8=9	516N8=12
Head height	9 mm	12 mm
Stud Ø	4 mm	5 mm
Stud length	10 mm	10 mm
Shoulder height	3 mm	4 mm

3

4



Carrying Strap Screw Head

- + For fastening straps and supports
- + Steel, nickel-plated

⊕ 2:1

Article number	516S2
Thread	M4
Thread length	6 mm
Head Ø	14 mm
Head height	9 mm

5

6



Carrying Strap Screw Head

- + For fastening straps and supports
- + Stainless steel

⊕ 1.5:1

Article number	516S5
Thread	M4
Thread length	6.5 mm
Head Ø	14 mm
Head height	7 mm

7

8



Carrying Strap Screw Head

- + For fastening straps and supports
- + Stainless steel

⊕ 2:1

Article number	516S7
Thread	M4
Thread length	8 mm
Head Ø	10.5 mm
Head height	8 mm

9

10

11



Bandage Rosette

- + For fastening supports and straps with lamination technique or with rivets
- + With 3 rivet holes

12

Article number	21Y5=M4	21Y5=M5
Thread	M4	M5
Washer Ø	21.5 mm	21.5 mm

Carrying Strap Rosette

- + For fastening supports and straps with lamination technique or with rivets
- + With 3 rivet holes
- + Free-cutting steel

Article number	21Y27
Thread	M4
Washer Ø	27 mm



1

2

Bandage Rosette

- + For fastening straps by means of screw connections
- + With nuts

Article number	21Y6
Thread	M4



3

4

1.5:1

Rosette Screw

- + Nickel-plated

Article number	501S3=M4	501S3=M5
Thread	M4	M5
Thread length	8 mm	8 mm
Head Ø	15 mm	15 mm



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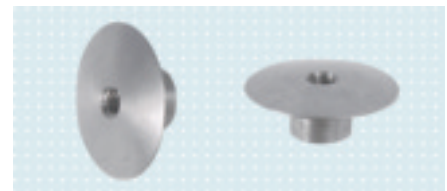
1.5:1

7

Setting Nut

- + Stainless steel
- + With large shoulder

Article number	29C6
Thread	M4
Head Ø	20 mm
Shoulder Ø	6 mm
Length	7.5 mm



8

1.5:1

9

T-Nut

- + For SACH feet
- + Galvanised

Article number	502E1=M4x8	502E1=M5x8
Thread	M4	M5
Length	8 mm	8 mm



10

11

2:1

12

1



Attachment Plate

- + For Silesian bandage
- + With riveted pad button
- + Very sturdy means of fastening

⊕ 1.5:1

Article number	21Y17
Head Ø	5.5 mm

2

3



Attachment Plate

- + For Silesian bandage
- + With riveted pad button
- + Very sturdy means of fastening

⊕ 1.5:1

Article number	21Y31
Head Ø	10 mm

4

5



Setting Nut / Insert Nut

- + Stainless steel
- + With knurled shoulder
- + Secure support

⊕ 2:1

Article number	29C3=M4
Thread	M4
Head Ø	10 mm
Shoulder Ø	5 mm
Length	3.6 mm

6

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8



Setting Nut

- + For laminates in orthotics
- + Brass
- + With expanding slot
- + With knurled shoulder
- + Secure support

⊕ 2:1

Article number	29C4
Thread	M4
Head Ø	7 mm
Shoulder Ø	6 mm
Length	4 mm

9

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Setting Nut

- + For thin laminates in orthotics
- + Stainless steel
- + Flat
- + With knurled shoulder
- + Secure support



🔍 2:1

Article number	29C5=M4x7x2.4	29C5=M4x7	29C5=M4x9	29C5=M5x9	29C5=M5x18
Thread	M4	M4	M4	M5	M5
Head Ø	7 mm	7 mm	9 mm	9 mm	18 mm
Shoulder Ø	5.5 mm	5.5 mm	5.5 mm	6.5 mm	6.5 mm
Length	2.4 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm

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Rubber Stop Clamp

- + Nickel-plated
- + Oval
- + With one slot

2

🔍 1:1.5

Article number	4H1
-----------------------	------------

3



Rubber Stop Clamp

- + Stainless steel
- + Polished surface
- + Oval
- + With two slots

4

🔍 1:1.5

Article number	4H34
-----------------------	-------------

5



Silesian Bracket (Trochanter Bracket)

- + To guide the prosthesis and to secure the lap belt
- + Light metal

6

Article number	21Y11=1	21Y11=2
Clear width	55 mm	50 mm

7

🔍 1:3

8



Attachment Rosette

- + For 21Y11 Silesian Bracket
- + M4 thread

9

🔍 1.5:1

Article number	21Y24
-----------------------	--------------

10



Wood Spring

- + For joining wooden parts in exoskeletal construction method
- + Beech wood

11

🔍 1:2

Article number	512A1=80x4	512A1=140x4
Length	80 mm	140 mm
Thickness	4 mm	4 mm

12

Tensioning Clip

- + Finely adjustable closure
- + Easy handling
- + Easy to release



🔍 1:2

Article number	21B43=W
Length	5.6 cm
Weight	15 g
Colour	White (W)

🔴 Please order 21B44 or 21B44=W Strap along with the tensioning clip.

Strap

- + For 21B43 Tensioning Clip
- + High resistive capacity



Article number	21B42	21B42=W
Length	17.5 cm	17.5 cm
Width	1.5 cm	1.5 cm
Colour	black	White (W)
Order by	1 piece	1 piece

Strap, treated

- + For 21B43 Tensioning Clip
- + High resistive capacity



Article number	21B44	21B44=W
Length	15.6 cm	15.6 cm
Width	1.5 cm	1.5 cm
Colour	black	White (W)
Order by	1 piece	1 piece

Closure Assembly

- + For comfortably applying and removing an orthosis
- + Finely adjustable closure
- + Easy handling
- + The closure can be released by pressing a pushbutton



Article number	33R11
Length	17 cm
Colour	Grey/red
Order by	1 pc.

1



Toothed Strap

- + For 33R11 Closure Assembly
- + For hyperextension orthosis
- + High resistive capacity

2

Article number	29R317
Length	16 cm
Colour	grey
Order by	1 pc.

3

4



Roll Buckle

- + Iron, nickel-plated
- + Welded
- + Sturdy

5

Article number	514A1=14	514A1=16	514A1=20	514A1=22
Clear width	14 mm	16 mm	20 mm	22 mm

6



Roll Rivet Buckle

- + Iron, nickel-plated
- + Welded
- + Sturdy

7

Article number	514A2=16	514A2=20
Clear width	16 mm	20 mm

8



Three-Prong Buckle

- + Iron, nickel-plated
- + Welded
- + Sturdy

9

Article number	514C3=32	514C3=35	514C3=45
Clear width	32 mm	35 mm	45 mm

10

11

12

Clip Fastener

- + For 623H14 Carrying Strap
- + Plastic

Article number	29R127=25	29R127=30
Clear width	25 mm	30 mm
Colour	white	black



🔍 1:2

1

2

3

Bandage Ring

- + Iron, nickel-plated
- + Welded
- + Round

Article number	514R1=20	514R1=25
Clear width	20 mm	25 mm



4

5

Bandage Ring

- + Plastic
- + Round

Article number	29A54
----------------	-------



🔍 1:2

6

7

8

Bandage Ring

- + Iron, nickel-plated
- + Welded
- + Half-round

Article number	514R2=20	514R2=25
Clear width	20 mm	25 mm



9

10

Strap Guide Loop

- + Iron, nickel-plated
- + Welded
- + Prevents the loops from twisting

Article number	514U1=30	514U1=35	514U1=45
Clear width	30 mm	35 mm	45 mm



11

12

1



Strap Guide Loop

- + Plastic
- + Prevents the loops from twisting

Article number	514U2=38-7	514U2=50-7	514U2=20	514U2=25	514U2=30	514U2=38	514U2=50
Clear width	38 mm	50 mm	20 mm	25 mm	30 mm	38 mm	50 mm
Colour	Black (7)	Black (7)	White	White	White	White	White

2

3

4



Roll Loop

- + With plastic roller and plastic attachment plate
- + Prevents the loops from twisting

Article number	21Y92=35	21Y92=50	21Y92=35-7	21Y92=50-7
Clear width	39 mm	50 mm	39 mm	50 mm
Colour	white	white	Black (7)	Black (7)

5

6



Eyelet

- + For fabric corsets
- + Iron, nickel-plated

Article number	515A1
Hole Ø	4 mm
Length	4 mm
Fits insertion plunger	702A1=2

🔍 2:1

7

8



Eyelet

- + For fabric corsets
- + Brass, nickel-plated

Article number	515A2
Hole Ø	4 mm
Length	4 mm
Fits insertion plunger	702A1=2

🔍 2:1

10

11



Eyelet

- + Brass, nickel-plated
- + With ring

Article number	515B1
Hole Ø	7 mm
Length	5 mm
Fits insertion plunger	702A1=1

🔍 2:1

12

Hook (Agraffes)

- + Iron, nickel-plated

Article number	515H2
Head Ø	8.5 mm
Fits insertion plunger	702A2=1



🔍 2:1

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Metal Tip for Laces

- + Nickel-plated

Article number	515S1
Length	15 mm



🔍 2:1

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- 🔴 701A3 Tapping Screw can be found in the "Consulting, Planning and Equipping" Catalogue (646K10=D)

Pad Button

- + For use with the 170D20 Strap Guide Loop for pad button

Article number	170D17
Used for	170D20



🔍 2:1

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Strap Guide Loop for pad button

- + For use with the 170D17 Pad Button
- + Prevents the loops from twisting

Article number	170D20=0	170D20=7
Used for	170D17	170D17
Colour	Skin colour	Black (7)



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Loop

- + For 88M10 Fixing Bandages, for riveting to hard compression masks
- + Plastic

Article number	82A1=20
Width	20 mm
Order by	5 pieces



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Suspension Loops

- + For 88M10 Fixing Bandages
- + In conjunction with 516N8=12 Plexidur Pad Buttons

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Article number	82A2
Order by	10 pieces

3



Hook-and-Loop Closure Strap

- + For fast, detachable connections
- + Hook-and-loop strap
- + 100% polyamide
- + Individually adaptable length
- + Can be refastened many times
- + Flexible
- + Very comfortable

4



5

Article number	623Z1=20	623Z1=25	623Z1=30	623Z1=50
Width	20 mm	25 mm	30 mm	50 mm
Colour	white	white	white	white
Original roll	25 m	25 m	25 m	25 m
Order by	1 meter and up	1 meter and up	1 meter and up	1 meter and up

6

• Please specify length when ordering.

7



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Hook-and-Loop Closure Strap

- + For fast, detachable connections
- + Hook-and-loop strap
- + 100% polyamide
- + Individually adaptable length
- + Can be refastened many times
- + Flexible
- + Very comfortable



Order example

Reference number = Width
623Z12 = 25

Reference number	623Z12
Width	25 mm, 30 mm, 50 mm
Colour	Salmon
Original roll	25 m
Order by	1 meter and up

• Please specify length when ordering.



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Elastogrip Closure

- + Hook-and-loop strap
- + Polyamide/spandex
- + Individually adaptable length
- + Lengthwise elasticity
- + Can be refastened many times
- + Flexible
- + Very comfortable

2

1:2






3

Order example

Reference number = Width - Colour

623Z2 = 30 - 5

4

Reference number	623Z2	623Z2	623Z2
Width	30 mm, 50 mm	30 mm, 50 mm	30 mm, 50 mm
Colour	blue (5)	White (6)	Black (7)
Original roll	25 m	25 m	25 m
Order by	1 meter and up	1 meter and up	1 meter and up
			

5

• Please specify length when ordering.

6



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Hook-and-Loop Hook Strap, self-adhesive

- + For fast, detachable connections
- + 100% polyamide
- + Individually adaptable length
- + Can be refastened many times
- + High adhesive strength
- + Flexible
- + Very comfortable

9



10

Article number	623Z8=W25	623Z8=W50
Width	25 mm	50 mm
Colour	White (W)	White (W)
Original roll	25 m	25 m
Order by	1 meter and up	1 meter and up

11

• Please specify length when ordering.

12

Hook-and-Loop Loop Strap, self-adhesive

- + For fast, detachable connections
- + 100% polyamide
- + Individually adaptable length
- + Can be refastened many times
- + High adhesive strength
- + Flexible
- + Very comfortable



1:2



Article number	623Z7=W25	623Z7=W50
Width	25 mm	50 mm
Colour	White (W)	White (W)
Original roll	25 m	25 m
Order by	1 meter and up	1 meter and up

• Please specify length when ordering.

Hook-and-Loop Closure

- + For fast, detachable connections
- + 21Y122=50-7: both sides with hook strip and two strap guide loops
- + 21Y122=38-7: with reinforced strap guide loop
- + 100% polyamide
- + Can be refastened many times
- + Flexible
- + Very comfortable



Article number	21Y122=50-7	21Y122=38-7
Width	50 mm	38 mm
Colour	Black (7)	Black (7)



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Loop Strap, elastic

- + For fast, detachable connections
- + Individually adaptable length
- + Both sides compatible with hook-and-loop
- + Lengthwise elasticity
- + Can be refastened many times
- + Flexible
- + Very comfortable

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1:2



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Article number	623Z40=50-7
Width	50 mm
Colour	Black (7)

4



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Double-Sided Loop Texture Velour Tube

- + Ideal for orthosis straps
- + For fast, detachable connections
- + Individually adaptable length
- + Both sides compatible with hook-and-loop
- + Can be refastened many times
- + Flexible
- + Very comfortable

6

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Article number	623Z35=40-7	623Z35=52-7
Width	40 mm	52 mm
Colour	Black (7)	Black (7)
Original roll	25 m	25 m
Order by	1 meter and up	1 meter and up

8



• Please specify length when ordering.

9



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Loop Strap, elastic

- + For fast, detachable connections
- + With loop strap on one side
- + Individually adaptable length
- + Lengthwise elasticity
- + Can be refastened many times
- + Flexible
- + Very comfortable



Article number	623Z37=50-6
Width	50 mm
Colour	White (6)

1:2



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

Hook-and-Loop Strap

- + Ideal for FreeWalk orthosis
- + For fast, detachable connections
- + 100% polyamide
- + Can be refastened many times
- + Flexible
- + Very comfortable



Article number	170Z4=400-0	170Z4=400-7	170Z4=600-0	170Z4=600-7
Length	400 mm	400 mm	600 mm	600 mm
Colour	Skin colour	Black (7)	Skin colour	Black (7)



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Y Hook-and-Loop

- + For adapting straps, e.g., directly on the patient
- + For loop straps for the FreeWalk orthosis
- + For fast, detachable connections
- + 100% polyamide
- + Can be refastened many times
- + Flexible
- + Very comfortable

Article number	170D21=38-0	170D21=38-7
Hook & loop closure for	170Z4	170Z4
Width	38 mm	38 mm
Colour	Skin colour	Black (7)

4



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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646A230=GB



Hook-and-Loop Closure

- + For fast, detachable connections
- + With strap guide loop and bracket
- + 100% polyamide
- + Can be refastened many times
- + Flexible
- + Very comfortable

Order example

Reference number = Width -
21Y78 = 25 - 0

Reference number	21Y78	21Y78
Length	420 mm	350 mm
Width	25 mm, 30 mm, 38 mm, 50 mm	25 mm, 30 mm, 38 mm, 50 mm
Colour	Skin colour	Red (2), Yellow (4), blue (5), White (6), Black (7)

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Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

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Hook-and-Loop Closure

- + For 28U9 Lower Leg Orthoses
- + For fast, detachable connections
- + With strap guide loop and bracket
- + 100% polyamide
- + Can be refastened many times
- + Flexible
- + Very comfortable



Article number	623Z3=38x270	623Z3=38x310
Length	270 mm	310 mm
Width	38 mm	38 mm
Colour	beige	beige



Practical recommendation:

- Close before washing to protect the closure and/or other items in the wash.

Micro Hook Strap, self-adhesive

- + Recommended especially in combination with 623P3 Terry Cloth Padding Fabric and with 623F62 SpaceTex
- + Individually adaptable length
- + Self-adhesive
- + Very high hook-and-loop strength
- + No additional bulk when fastening textile padding fabrics
- + Facilitates highly flexible connections



Article number	623Z4=50-6
Width	50 mm
Colour	White (6)

- Please specify length when ordering.



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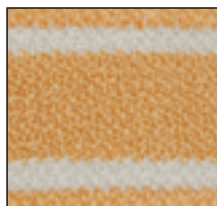


2

Elastic Strap

- + 82 % viscose and 18 % spandex
- + Individually adaptable length
- + Soft, rounded outer edge
- + Shiny terry-cloth-like structure
- + Linear expansion approx. 70%

3



Article number	623G1=20	623G1=25	623G1=35	623G1=45
Width	20 mm	25 mm	35 mm	45 mm
Colour	Beige with white stripes	Beige with white stripes	Beige with white stripes	Beige with white stripes
Original roll	25 m	25 m	25 m	25 m
Order by	1 meter and up	1 meter and up	1 meter and up	1 meter and up

4



• Please specify length when ordering.

5



Elastic Strap

- + 42% viscose, 37% cotton and 21% spandex
- + Individually adaptable length
- + Soft, rounded outer edge
- + Linear expansion approx. 45%

6

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Article number	623G3=21	623G3=30	623G3=35	623G3=45
Width	21 mm	30 mm	35 mm	45 mm
Colour	Grey with white stripes	Grey with white stripes	Grey with white stripes	Grey with white stripes
Original roll	25 m	25 m	25 m	25 m
Order by	1 meter and up	1 meter and up	1 meter and up	1 meter and up

8



• Please specify length when ordering.

9



Elastic Double Strap

- + For 29R127 Clip Fastener
- + 42% viscose, 37% cotton and 21% spandex
- + Individually adaptable length
- + Soft, rounded outer edge

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Article number	623G4=1	623G4=5
Length	1 m	5 m
Width	30 mm	30 mm
Colour	Grey with white stripes	Grey with white stripes

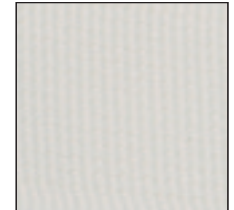
12



Carrying Strap

- + 98.9 % viscose and 1.1 % polyester
- + Individually adaptable length
- + Soft, rounded outer edge

Article number	Length	Width	Colour
623H2=25x5	5 m	25 mm	white
623H2=30x5	5 m	30 mm	white
623H2=35x5	5 m	35 mm	white
623H2=45x5	5 m	45 mm	white
623H2=25x50	50 m	25 mm	white
623H2=30x50	50 m	30 mm	white
623H2=35x50	50 m	35 mm	white
623H2=45x50	50 m	45 mm	white



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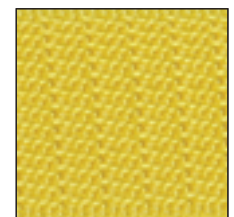
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Carrying Strap

- + For 29R127 Clip Fastener
- + Individually adaptable length
- + Polyamide

Article number	623H14=20-4	623H14=25-6	623H14=30-6
Width	20 mm	25 mm	30 mm
Colour	Yellow (4)	White (6)	White (6)
Order by	1 meter and up	1 meter and up	1 meter and up



- Please specify length when ordering.

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Lacing Cord

- + For lacings, e.g. on corsets
- + Individually adaptable length

Article number	623K1
Width	7 mm
Colour	brown
Order by	100 m



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Perlon Lacing Cord

- + For lacings, e.g. on corsets
- + Individually adaptable length
- + 100 % polyamide 6

2



Article number	623K5
Width	5 mm
Colour	brown
Order by	100 m

3

4



Braided Cord

- + 100% polyester
- + Braided
- + Individually adaptable length
- + Very good abrasion resistance
- + Very good dimensional stability
- + Very good insulating capacity
- + Remains flexible even after years of use

5



Article number	623K4
Width	1.5 mm
Colour	white
Order by	100 m

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Traction Bandage (DKG, Fittwell or Haschke-Daehne bandage)

- + Suspension sleeve for transtibial prostheses
- + Chrome tanned leather

Article number	21B2
Size	2 (medium)



Silesian Bandage

- + Reduction of rotation movements and pistoning in transfemoral prostheses
- + Consisting of hip belt, suspension strap and button
- + Chrome tanned leather
- + Universal size
- + Individually adaptable

Article number	21B21
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Support Belt

- + For 21B21 Silesian Bandage
- + Reduction of rotation movements and pistoning in transfemoral prostheses
- + Universal size
- + Individually adaptable

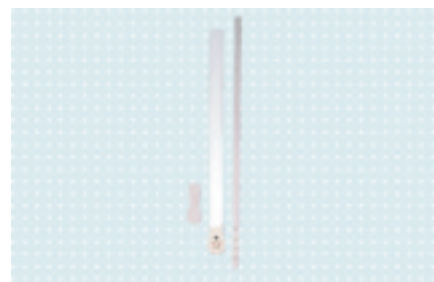
Article number	21B22
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Silesian Bandage, modified

- + Reduction of rotation movements and pistoning in transfemoral prostheses
- + Consisting of hip belt, suspension strap and button
- + With integrated support strap
- + Chrome tanned leather
- + Universal size
- + Individually adaptable

Article number	21B33
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Thigh Support Bandage

- + Reduction of rotation movements and pistoning in transfemoral prostheses
- + With Neoprene® adhesive strip
- + Custom sizes available

2

Order example

Reference number = side size

454A7 = L 1

3

646A230=GB

Reference number	21B37	21B37	21B37	21B37	21B37
Side	left (L), right (R)	left (L), right (R)	left (L), right (R)	left (L), right (R)	left (L), right (R)
Size	S (1)	M (2)	L (3)	XL (4)	XXL (5)
for hip circumference	60 – 74	66 – 80	76 – 90	86 – 100	96 – 110
Socket edge	36 – 40	40 – 44	44 – 48	48 – 52	52 – 56
Colour	beige	beige	beige	beige	beige

5



Fixing Bandage

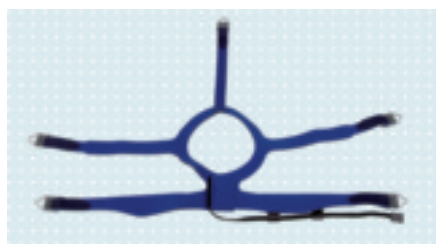
- + For fixation of facial scar compression masks
- + With elastic hook-and-loop closures
- + Leather with felt backing

6

Article number	88M10=1	88M10=2	88M10=3
Fixing straps	5 hook-and-loop closures	4 hook-and-loop closures, large	4 hook-and-loop closures, small
Order by	1 pc.	1 pc.	1 pc.

7

8



Fixing Bandage

- + For fixation of facial scar compression masks
- + With elastic straps (including suspension buckles and Plexidur pad buttons)
- + Light and skin-friendly fabric
- + Breathable

9

Article number	88M10=5
Fixing straps	5 hook-and-loop closures
Order by	1 pc.

10

11



Buckle Strap

- + With buckle piece, buckle protector and welded roll buckle
- + Chrome tanned leather

12

Article number	21Y56=240	21Y56=280	21Y56=320
Length	240 mm	280 mm	320 mm
Width	20 mm	20 mm	20 mm

Neopren® is a registered trademark of DuPont.

Buckle Piece

- + With welded roll buckle
- + Chrome tanned leather

Article number	21Y58=20
Width	20 mm



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Buckle Strap

- + With buckle piece, buckle protector and welded roll buckle
- + Lohgar leather

Article number	21Y60=240	21Y60=280	21Y60=320
Length	240 mm	280 mm	320 mm
Width	20 mm	20 mm	20 mm



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Buckle Piece

- + With welded roll buckle
- + Lohgar leather

Article number	21Y62=20
Width	20 mm



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Sleeve Protection Pad

- + Rubber with leather cover
- + Protection against friction
- + Relief from pressure pain
- + Excellent compression recovery

Article number	15Y1=16	15Y1=18
Length	16 cm	18 cm
Width	85 mm	85 mm

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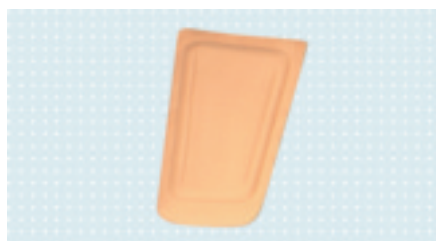
Trousers Protection Pad, long, flat

- + Rubber with nylon cover
- + Protection against friction
- + Relief from pressure pain
- + Excellent compression recovery

Article number	5Y2=L	5Y2=R
Side	left (L)	right (R)
Length	260 mm	260 mm
Width	150/95 mm	150/95 mm

5

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Trousers Protection Pad, short, flat

- + Rubber with nylon cover
- + Protection against friction
- + Relief from pressure pain
- + Excellent compression recovery

Article number	5Y6=L	5Y6=R
Side	left (L)	right (R)
Length	210 mm	210 mm
Width	150/110 mm	150/110 mm

7

8

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Trousers Protection Pad, long, reinforced

- + Rubber with nylon cover
- + Protection against friction
- + Relief from pressure pain
- + Reinforced inner corner seating
- + Excellent compression recovery

Article number	5Y3=L	5Y3=R
Side	left (L)	right (R)
Length	280 mm	280 mm
Width	180/110 mm	180/110 mm

10

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Trouser Protection Pad

- + Rubber with nylon cover
- + Protection against friction
- + Relief from pressure pain
- + Reinforced inner corner seating
- + Excellent compression recovery



Article number	5Y4=L	5Y4=R
Side	left (L)	right (R)
Length	215 mm	215 mm
Width	160/100 mm	160/100 mm

Trouser Protection Pad

- + Moltoprene® foam material with Velvetone cover
- + Protection against friction
- + Relief from pressure pain
- + Breathable
- + Excellent compression recovery



Article number	5Y5=L	5Y5=R
Side	left (L)	right (R)
Length	240 mm	240 mm
Width	165/135 mm	165/135 mm

Splint Joint Protection

- + Protection against overload or inappropriate strain
- + 1 pair
- + Leather
- + Embossed



Article number	99B1

Knee Protection Cap

- + Rubber with nylon cover
- + With opening for 45 mm wide strap



Article number	99B3

Moltopren® is a registered trademark of Bayer.

1



Knee Protection Cap with large tab

- + Rubber with nylon cover
- + With larger side tabs
- + With opening for 45 mm wide strap

2

Article number	99B5
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3



Modular Knee Protector with elastic belt extension assist

Article number	99B17
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 647G49

6



End Bearing Cushion

- + Moltoprene® foam material
- + Breathable

7

Article number	99B6
Length	150 mm
Width	160 mm
Height	100 mm
Colour	skin colour

8

9



End Bearing Cushion

- + Moltopren® foam material
- + Cylindrical
- + Breathable

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Article number	99B23
Ø	165 mm
Length	250 mm
Colour	skin colour

11

12

Moltopren® is a registered trademark of Bayer.

Formable Distal Padding

- + Evazote®
- + Pre-shaped
- + Elastic
- + High resilience
- + Good thermoforming properties
- + Good adhesive characteristics
- + Washable



Article number	99B26=1	99B26=2
Ø	140 mm	110 mm
Colour	white	white

Tubercle Seat

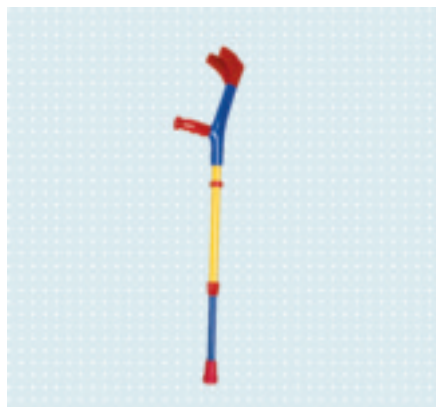
- + Load surface e.g. in the area of the sciatic bones of the pelvis
- + With Neoprene® adhesive strip
- + Pedilan



Article number	5Y7=L4	5Y7=L3	5Y7=L2	5Y7=R4	5Y7=R3	5Y7=R2	5Y7=R1
Side	left (L)	left (L)	left (L)	right (R)	right (R)	right (R)	right (R)
Width	90 mm (4)	110 mm (3)	125 mm (2)	90 mm (4)	110 mm (3)	125 mm (2)	140 mm (1)

Evazote® is a registered trademark of Zotefoams.
Neopren® is a registered trademark of DuPont.

1



Forearm Crutches for Children

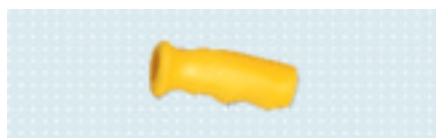
- + For safety when walking
- + Forearm crutch
- + Ideal for children's hands
- + Cushioned with rubber capsule – ensures good grip when walking
- + Secure and comfortable grip
- + Appealing design for children

Article number	22K10
Colour	Multicolored
Fits capsules	23K12=B/=R

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Softgrip

Order separately as necessary.

- + For 22K10 Forearm Crutch for Children
- + Safe and pleasant softgrip handle

Article number	23K78
Colour	yellow

5

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Forearm Crutches for Children

- + For safety when walking
- + Forearm crutch
- + Ideal for children's hands
- + With plastic grip
- + Cushioned with rubber capsule – ensures good grip when walking
- + Light metal
- + Height-adjustable in 25 mm increments, from 660 to 860 mm (floor to grip)
- + Secure and comfortable grip
- + Weight: 0.880 kg/pair

Article number	22K5
Colour	Blue/silver anodised
Fits capsules	23K2=16/23K6=16

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Forearm Crutches

- + For safety when walking
- + Forearm crutch
- + With plastic grip
- + Cushioned with a rubber capsule, ensures good grip when walking
- + Light metal
- + Height-adjustable in 25 mm increments, from 780 to 980 mm (floor to grip)
- + Secure and comfortable grip
- + Weight: 1.140 kg/pair

Article number	22K2	22K4
Colour	Silver anodised	blue
Fits capsules	23K2=16/23K6=16	23K11

11

12

 646A230=GB

Forearm Crutches

- + For safety when walking
- + Forearm crutch
- + With softgrip
- + Cushioned with a rubber capsule, ensures good grip when walking
- + Light metal
- + Height-adjustable in 25 mm increments, from 780 to 980 mm (floor to grip)
- + Safe and pleasant softgrip handle
- + Weight: 1.260 kg/pair

Article number	22K7
Colour	Blue/silver anodised
Fits capsules	23K11



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Anatomical Softgrip Handles

Order separately as necessary.

- + For 22K7 Forearm Crutches
- + 1 pair – for left and right sides
- + Anatomical shape
- + Protects against pressure sores, even after extended use
- + Pleasantly soft wearing sensation
- + Reduces fatigue symptoms



5

6

Article number	23K77
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Support Cane

- + For safety when walking
- + For men
- + Without rubber capsule
- + Wood
- + Anatomical handle shape

Article number	22S2=S	22S2=B
Colour	Black (S)	Brown (B)
Fits capsules	23K1=2	23K1=2



7

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Rubber Capsule

- + For 22S2 Support Cane
- + Ensures good grip while walking

Article number	23K1=00	23K1=0	23K1=1	23K1=2	23K1=3
Hole Ø	14 mm	16 mm	18 mm	20 mm	22 mm
Size	0	0	1	2	3
Colour	black	black	black	black	black



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Rubber Capsule, elastic

- + For 22K2 and 22K5 Support Cane
- + Ensures good grip while walking

Article number	23K2=16	23K2=21
Hole Ø	16 mm	21 mm
Colour	grey	grey

2

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Rubber Capsule, elastic

- + For 22K2 and 22K5 Support Cane
- + Ensures good grip while walking

Article number	23K6=16	23K6=21
Hole Ø	16 mm	18 mm
Colour	black	black

4

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Rubber Capsule

- + For 22K4 and 22K7 Forearm Crutches
- + Ensures good grip while walking

Article number	23K11
Hole Ø	16 mm
Colour	blue

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Rubber Capsule

- + For 22K10 Forearm Crutches for Children
- + Ensures good grip while walking

Article number	23K12=R	23K12=B
Hole Ø	16 mm	16 mm
Colour	Red (R)	Blue (B)

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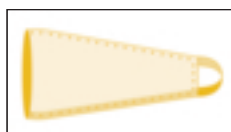
Easy-Proth® Donning Sheath

- + Enables easy donning of transfemoral prostheses with a valve opening
- + Saves time, easy to use
- + Makes donning the prosthesis more comfortable
- + Durable
- + Hand-washable at max. 30 °C/86 °F

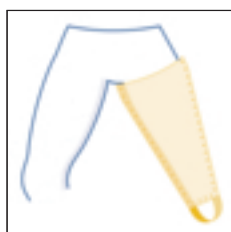
Application example



1. Fully spread out the Easy-Proth®



2. Turn half the length of the Easy-Proth® into the other half up to the lower seam (loop on the outside)



3. Hold the Easy-Proth® with both hands and pull it over the transfemoral residual limb like a sock. Avoid the formation of wrinkles. Secure your prosthesis so that you can put the loop of the Easy-Proth® through the valve opening of the socket.



4. Now slowly pull the Easy-Proth® out of the prosthetic socket through the valve opening by the loop.

After the valve opening has been closed, the air that has remained in the socket is ejected through a knob on the valve. In this way, a vacuum is created that ensures secure adhesion between the residual limb and socket. If the residual limb is not optimally positioned in the prosthetic socket, please repeat the procedure.



646A230=GB
646D386=GB

Article number	Size	Colour	Proximal circumference	Distal circumference
OC1560=00	XXL	Lilac	81 cm	-
OC1560=0	XL	light blue	71-80 cm	16 cm
OC1560=1	L (1)	green	59-70 cm	15,5 cm
OC1560=2	M (2)	Dark blue	46-58 cm	13 cm
OC1560=3	S (3)	red	41-45 cm	13 cm
OC1560=4	XS (4)	yellow	40 cm	12 cm



Practical recommendation:

- Using the Easy-Proth® Donning Sheath in combination with the threadless 21Y14 PushValve exhaust valve makes prosthesis donning even easier.

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Easy-Proth® Arm Donning Sheath

- + Enables easy donning of arm prostheses with a valve opening
- + Saves time, easy to use
- + Makes donning the prosthesis more comfortable
- + Durable
- + Hand-washable at max. 30 °C/86 °F

3



646D536=M_DE

4

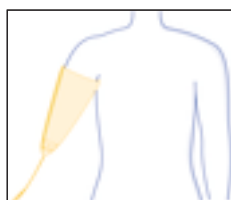
Application example



1. Fully spread out the Easy-Proth® Arm donning sheath before using it.

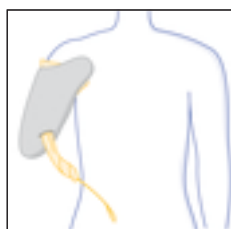


2. Turn half the length of the Easy-Proth® Arm donning sheath into the other half up to the lower seam (loop facing out).



3. Pull the Easy-Proth® Arm donning sheath over the residual limb like a sock, and be careful to avoid any wrinkles. Guide the socket over the residual limb so that the loop of the Easy-Proth® Arm donning sheath can be pulled through the socket valve opening after applying the socket.

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4. Finally, use the loop to slowly pull the Easy-Proth® Arm donning sheath out of the prosthetic socket through the valve opening.

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The procedure must be repeated if the residual limb is not seated optimally in the prosthetic socket.

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Article number	Size	Colour	Proximal circumference	Distal circumference
OC1560=TH	L	Red with green stem	49 cm	26 cm
OC1560=TR	M	Red with green stem	45 cm	19 cm

8



Practical recommendation:

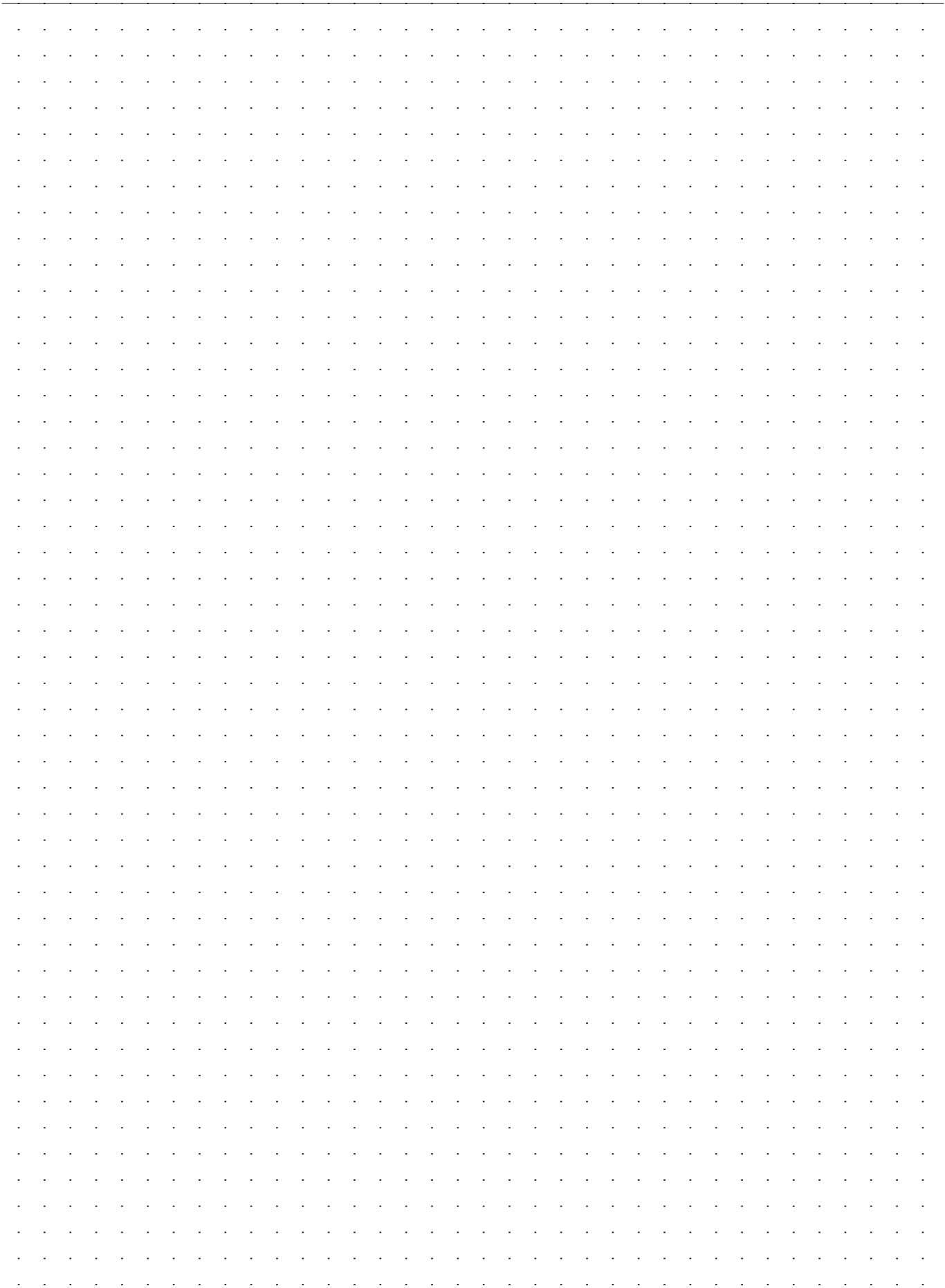
- If needed, 453H2=1 Special Lubricant Powder can be applied to the Easy-Proth® Arm donning sheath prior to use. Do not use talcum powder.

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Protective Equipment

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Ottobock offers protective equipment for products that are hazardous pursuant to the Ordinance on Hazardous Substances. This includes products to protect the hands, face, eyes, respiratory tract and other parts of the body. See our safety data sheets for necessary information about suitable protective equipment for each product.

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We also offer first-aid equipment for accidents such as an eye flushing station and a first aid kit.

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HIGHLIGHTS

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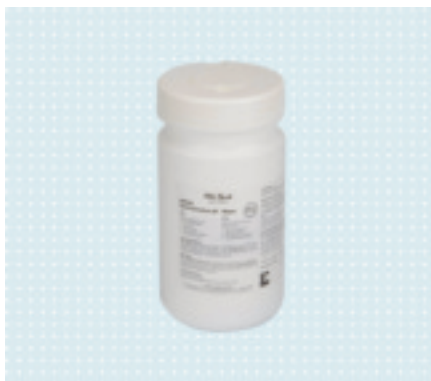
3

640Z32 Disinfectant Wipes

641S6 Protective Smock

641S7 Boot Cover

4



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- + Ready-to-use cloths for quick disinfection (pre-saturated with Quick Disinfect AF surface disinfectant)
- + According to the Medical Devices Law: aldehyde-free disinfection and cleaning of non-invasive alcohol-resistant medical devices
- + According to the Biocidal Products Directive: for the aldehyde-free disinfection and cleaning of alcohol-resistant surfaces and alcohol-resistant medical equipment
- + Aldehyde-free
- + With fresh scent
- + Thoroughly effective
- + Bactericide incl. MRSA, fungicide (C. albicans) according to DGHM/VAH
- + Tuberculocide (M. terrae)
- + Virus-inactivating incl. BVDV, HBV, HIV, HCV, vaccinia, influenza/flu viruses (limited virucide according to RKI)
- + Inactivation of rota/adenoviruses
- + Inactivation of noroviruses (FCV)

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- + Ideal protection for decanting and filling work
- + Protection against particles and splashed liquids
- + TYVEK-PRACTIK material
- + 5 snap fasteners, 2 pockets
- + Custom sizes available
- + Not prone to lint formation
- + Ultra-lightweight
- + High resistance to tearing and abrasion
- + Antistatic
- + Breathable

- + For the protection of shoes or boots
- + Strong PE film
- + With rectangular pattern
- + Elastic band
- + Tying tape on ankle
- + Reinforced outer sole

Temperature-Resistant Glove

- + For use with plastics
- + With cuff
- + Cotton loop fabric
- + Good fit
- + Impregnated with flame retardant

Article number	641H3
Length	280 mm
Weight	0.17 kg
Colour	Raw white
Order by	1 Pair



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Temperature-Resistant Glove

- + For use with plastics
- + With cuff
- + Jersey cotton
- + Napped inside
- + Fluffy
- + Good fit
- + Breathable
- + Impregnated with flame retardant

Article number	641H13
Length	240 mm
Weight	0.11 kg
Colour	Sand/beige
Order by	1 Pair



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Cut-Resistant Protective Glove

- + For preventing cuts
- + With cuff
- + Very good protection against cuts
- + Good fit
- + Good grip
- + Protection against moisture
- + Breathable

Article number	641H14=7	641H14=8	641H14=9	641H14=10
Size	7	8	9	10
Colour	grey	grey	grey	grey
Order by	1 Pair	1 Pair	1 Pair	1 Pair



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Mechanical Protective Glove

- + Alternative to a leather glove
- + With canvas cuff
- + Nitrile-coated fabric with Jersey cotton
- + Partially coated
- + High mechanical load capacity
- + Elastic strap on back of hand
- + Excellent fit
- + Very comfortable
- + Good grip
- + Protection against oil, grease and moisture

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Article number	641H15=9	641H15=10
Size	9	10
Colour	Grey/brown	Grey/brown
Order by	1 Pair	1 Pair

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Chemical Protection Glove

- + Protection from a wide range of chemicals
- + Nitrile coated fabric
- + Flexible to adapt to your hands
- + These gloves are 300 mm long and therefore also protect large parts of the forearms from chemical contact
- + Light velour reduces sweating

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Article number	641H16=8	641H16=9	641H16=10
Size	8	9	10
Colour	green	green	green
Order by	1 Pair	1 Pair	1 Pair

8



Chemical Protection Glove

- + Protection from a wide range of chemicals
- + Nitrile coated fabric
- + Excellent fit allows working for long periods of time without fatigue
- + Roughened fingertips provide good grip, even when working with wet components

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Article number	641H17=7	641H17=8	641H17=9	641H17=10
Size	7	8	9	10
Colour	blue	blue	blue	blue
Order by	Package of 100	Package of 100	Package of 100	Package of 100

11

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Chemical Protection Glove

- + Protection from a wide range of chemicals
- + Butyl rubber
- + Lightly powdered interior of the glove makes putting on and taking off easy
- + Highly gas-proof
- + High resistance to chemicals

Article number	641H18=8	641H18=9	641H18=10
Size	8	9	10
Colour	black	black	black
Order by	1 Pair	1 Pair	1 Pair



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Latex-Free Examination Glove

- + Versatile in application
- + 100% nitrile
- + Latex-free
- + Powder-free
- + Neutral fit
- + Highly elastic
- + High touch sensitivity and grip security
- + Not sterile

Article number	641H9=2
Size	7-8
Colour	blue
Order by	Package of 100



 646A174=GB

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Latex Gloves for Plastering Work

- + For use during plastering work
- + Powder-free
- + Neutral fit
- + Highly elastic
- + High touch sensitivity and grip security
- + Not sterile

Article number	641H12
Size	7 ½
Order by	Package of 100



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Plastering Apron

- + For use during plastering work
- + With fabric reinforcement
- + Resistant to many acids

Article number	641S1
Length	100 cm
Width	80 cm
Weight	0.75 kg
Colour	white



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Disposable Aprons

- + For single use
- + Ultra-lightweight, yet extremely durable
- + Wrought
- + Waterproof
- + Hygienic
- + Environmentally friendly

Article number	641S5
Length	130 cm
Width	75 cm
Colour	white
Order by	Package of 100

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Protective Smock

- + Ideal protection for decanting and filling work
- + Protection against particles and splashed liquids
- + TYVEK-PRACTIK material
- + 5 snap fasteners, 2 pockets
- + Custom sizes available
- + Not prone to lint formation
- + Ultra-lightweight
- + High resistance to tearing and abrasion
- + Antistatic
- + Breathable

Article number	641S6=M	641S6=L	641S6=XL	641S6=XXL
Size	M	L	XL	XXL
Colour	white	white	white	white

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Boot Cover

- + For the protection of shoes or boots
- + Strong PE film
- + With rectangular pattern
- + Elastic band
- + Tying tape on ankle
- + Reinforced outer sole

Article number	641S7
Height	56 cm
Thickness	150 µm
Order by	1 Pair

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Protective Goggles

- + For eye protection against harmful influences such as chemicals, dust and splinters
- + With foldable side protector, adjustable earpieces and colourless plastic lenses
- + Nylon

Article number	756Y6=1
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12

Replacement Lenses for Protective Goggles

Order separately as necessary.

Article number	756Z1=1
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Face Protector

- + For face protection against the harmful influences such as dust and splinters
- + With non-fogging plastic screen, 1 mm thick, 540 x 195 mm, twist fastener allows for adjustment to different head sizes
- + Plastics

Article number	756Y15
Weight	0.25 kg



Replacement Screen for Face Protector

Order separately as necessary.

Article number	756Y16
Weight	0.125 kg

Disposable Particle Filter Masks

- + For dusty work in industry and skilled trades
- + Protection against solid and damp particles
- + Protection levels and certifications compliant with EN 149:2001
- + Synsafe material for minimum breathing resistance and maximum filter performance
- + Lightweight and user friendly
- + Exhalation valve for longer periods of use and increased breathing comfort
- + High intake capacity
- + Very comfortable
- + Hygienic individual packaging, ensures protection against contamination and guarantees a clean breathing protector available at all times
- + Folded design allows for easy carrying in a pocket



Article number	Contaminant class	Valves	Weight	Colour
756Y22=1	FFP1(1)	Without valve (-)	12 g	Dark blue
756Y22=1V	FFP1(1)	With valve (V)	18 g	Dark blue
756Y22=2	FFP2 (2)	Without valve (-)	22 g	light blue
756Y22=2V	FFP2 (2)	With valve (V)	28 g	light blue
756Y22=3V	FFP3 (3)	With valve (V)	28 g	white



Application

FFP1	FFP2	FFP3
Protects up to 4x emission limit	Protects up to 10x the emission limit	Protects up to 30x emission limit
Protects against solid and liquid particles	Protects against solid and liquid particles	Protects against solid and liquid particles
Milling, sanding, sawing and sweeping floors	Oak woodworks, welding, spraying emulsions with low vapour pressure, coating works, processing carbon fibre materials and fibreglass materials (e.g. cutting)	Spraying varnishes, sanding cured carbon fibre materials and fibreglass materials

FFP = Filtering Face Piece

1



"Combitex Nova" Respiratory Protection Half-Mask

- + As respiratory protection
- + Without filter
- + For use with particle filters, gas filters and combination filters, with round thread Rd 91
- + Good fit
- + Impermeability of a full mask
- + Material of the mask body is comfortable to wear
- + Easy to put on and take off thanks to head piece with anti-slip harness
- + Comfortable under a safety helmet
- + Tested in compliance with EN 140, with CE mark

2

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Article number	756Y80
Size	medium/large
Weight (without filter)	0.19 kg

4



Course Dust Filter

Order separately as necessary.

- + Pre-filter for filters with Rd 91 thread

5

Article number	756Z5
Weight	0.15 kg
Order by	Package of 50

6



Combination Filter

Order separately as necessary.

- + Screw filter with Rd 91 thread
- + Particle filter class A1-P2:
 - A = organic gases
 - 1 = low retaining capacity
 - P = particles
 - 2 = medium retaining capacity
- + Tested in compliance with EN 141, with CE mark

7

8

Article number	756Z4
Weight	0.55 kg
Order by	Package of 5

9



Carrying Case

Order separately as necessary.

- + For securely storing 756Y80 Respiratory Protection Half-Mask
- + Sturdy design, with shoulder strap

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Article number	754T3
for	Respiratory Protection Half-Mask
Weight	0.384 kg

12

Surface Disinfectant

- + According to the Medical Devices Law: aldehyde-free disinfection and cleaning of non-invasive alcohol-resistant medical devices
- + According to the Biocidal Products Directive: for the aldehyde-free disinfection and cleaning of alcohol-resistant surfaces and alcohol-resistant medical equipment
- + Aldehyde-free
- + With fresh scent
- + Thoroughly effective
- + Bactericide incl. MRSA, fungicide (C. albicans) according to DGHM/VAH
- + Tuberculocide (M. terrae)
- + Virus-inactivating incl. BVDV, HBV, HIV, HCV, vaccinia, influenza/flu viruses (limited virucide according to RKI)
- + Inactivation of rota/adenoviruses
- + Inactivation of noroviruses (FCV)



Article number	640Z30
Net contents	1 l



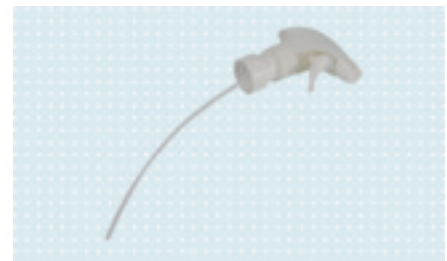
Practical recommendation:

- Spray undiluted product onto alcohol-resistant surfaces from a distance of approx. 30 cm, allow to dry briefly and wipe with a clean cloth; or apply undiluted product to paper towel, wipe alcohol-resistant surfaces and allow to dry briefly.

Foam Spray Head

- + The 640Z31 Foam Spray Head is reusable.

Article number	640Z31
for	640Z30 Surface Disinfectant



Disinfectant Wipes

- + Ready-to-use cloths for quick disinfection (pre-saturated with Quick Disinfect AF surface disinfectant)
- + According to the Medical Devices Law: aldehyde-free disinfection and cleaning of non-invasive alcohol-resistant medical devices
- + According to the Biocidal Products Directive: for the aldehyde-free disinfection and cleaning of alcohol-resistant surfaces and alcohol-resistant medical equipment
- + Aldehyde-free
- + With fresh scent
- + Thoroughly effective
- + Bactericide incl. MRSA, fungicide (C. albicans) according to DGHM/VAH
- + Tuberculocide (M. terrae)
- + Virus-inactivating incl. BVDV, HBV, HIV, HCV, vaccinia, influenza/flu viruses (limited virucide according to RKI)
- + Inactivation of rota/adenoviruses
- + Inactivation of noroviruses (FCV)



Article number	640Z32
Net contents	200 Blatt

1



Washing Lotion

- + For thorough and gentle hand and body hygiene
- + Recommended in cases of severe soap sensitivity
- + Advanced, skin-friendly tensides
- + PH of approximately 5.5, ideal for skin
- + Free of soap and alkali
- + Free of colorants
- + Pleasantly scented
- + Fast and drip-free dispensing right from the bottle

2

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Article number	640F23
Net contents	500 ml

4



Hand Disinfectant

- + For hygienic and surgical hand disinfection or for rubbing in
- + Comprehensively effective against bacteria, fungi and encased viruses
- + Also effective against adenovirus, papovavirus and rotavirus
- + Outstanding immediate effect
- + Moisturising
- + Extremely skin-friendly, even with continuous use
- + Ready to use – no sink or water required

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Article number	640Z19
Net contents	500 ml

7



Cellona® Skin Protection Cream

- + Protective skin-care cream, for use during plastering work
- + Easy dosing
- + Penetrates quickly
- + The skin is coated with a permeable protective skin-care film
- + Ideal for severely stressed skin

8

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Article number	640Z10
Net contents	0.1 l
Order by	1 tube

10



Skin Protection 1-2-3 Plus

- + Skin care cream and skin protection before and after work
- + Effective protection against water-soluble and oil-soluble foreign substances as well as changing agents
- + Prevention of potential allergens
- + Strengthens the skin's natural protective functions
- + Improves skin condition
- + Sustained skin care

11

12

Article number	640Z18=0.1
Net contents	0.1 l

Cellona® is a registered trademark of Lohmann.

Silcoderm Skin Protection Cream

- + Skin care cream and skin protection before and after work
- + Penetrates quickly
- + The skin is coated with a permeable protective skin-care film
- + Very good skin feeling

Article number	640Z1
Net contents	35 g



1

2

First-Aid Kit

- + For companies and shelters in compliance with Section 39
- + DIN 13157 C
- + With wall mount

Article number	758X5
Length	225 mm
Width	170 mm
Depth	80 mm
Weight	1.8 kg



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Bandages

- + 627B18=1: For treating injuries and wounds on fingers
- + Made of textile, longitudinally and transversely elastic fabric
- + Ready-cut sections for immediate use
- + Time-saving and hygienic
- + Good, permanently tacky adhesion
- + Reliable and firm hold, even under severe stress
- + Air permeable
- + 627B18=2: For treating injuries and wounds
- + Hygienic box, for partial continued removal
- + Reliably adhesive
- + Wound dressing pad, with anti-adhesive property for wounds
- + Perforated to allow wound breathing

Article number	627B18=1	627B18=2
Designation	Finger Bandage	Quick Wound Dressing
Length	120 mm	5 m
Width	20 mm	80 mm
Order by	Package of 100	Package (1 roll)



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Eye Flushing Station

- + First-aid station for flushing eyes to remove foreign substances such as dust and chemicals
- + Stationary wall cabinet made of sheet steel
- + With special holder for 2 eye flushing bottles
- + Always at hand and ready for use

2

Article number	758X11
Length	350 mm
Width	260 mm
Depth	100 mm
Weight	2.3 kg
Colour	Traffic white (RAL 9016)

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Eye flushing bottle set

Order separately as necessary.

- + In case of danger to eyesight due to harmful substances
- + 2 eye flushing bottles
- + Filled with 1,000 ml sterile, physiological, isotonic saline solution (0.9%)
- + In compliance with DIN 12930, CE 0562
- + Flushes foreign substances out of eyes
- + In an unopened condition good for approx. 3 years

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Article number	758Y100
Ø	80 mm
Height	305 mm
Weight	2.3 kg

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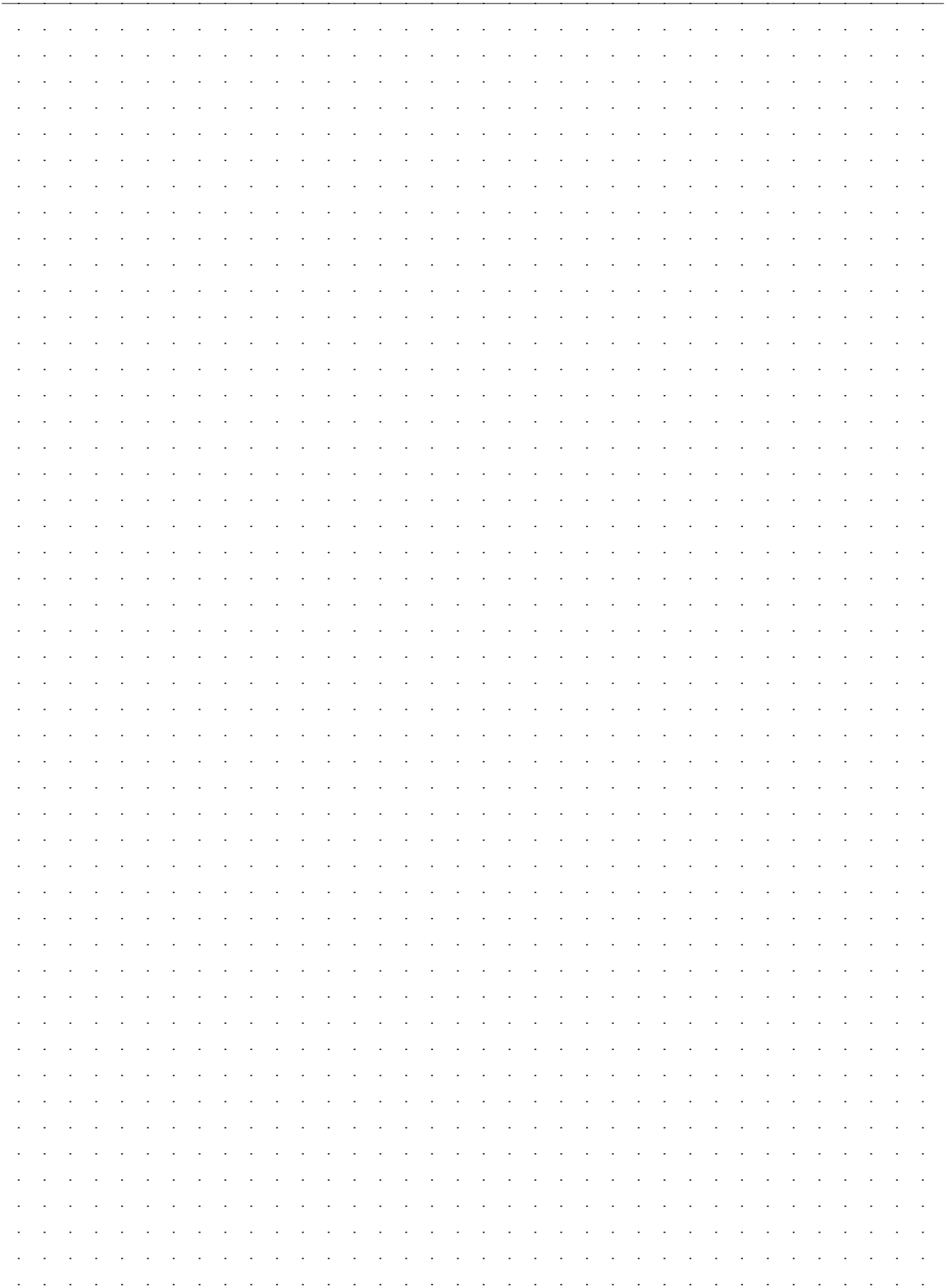
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Ordering Information / List of Key Words / Index

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SKINGUARD Thermoplastics and Lamination Resins

Fax order to: +49 5527 848-1414

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Address	<input type="text"/>	Address	<input type="text"/>
	<input type="text"/>		<input type="text"/>
Prosthetist/orthotist	<input type="text"/>	Com.	<input type="text"/>

Description	Article number	Colour	Order quantity
Antibacterial ThermoLyn PP-H	616T420=2	Natural colour	
	616T420=3	Natural colour	
	616T420=4	Natural colour	
	616T420=5	Natural colour	
	616T420=6	Natural colour	
	616T420=8	Natural colour	
	616T420=10	Natural colour	
	616T420=12	Natural colour	
	616T420=15	Natural colour	
Antibacterial ThermoLyn PE 200	616T495=2	Natural colour	
	616T495=3	Natural colour	
	616T495=4	Natural colour	
	616T495=5	Natural colour	
	616T495=6	Natural colour	
	616T495=8	Natural colour	
	616T495=10	Natural colour	
	616T495=12	Natural colour	

Comments	Company stamp/signature
<input type="text"/>	<input type="text"/>





SKINGUARD Thermoplastics and Lamination Resins

Fax order to: +49 5527 848-1414

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Address	<input type="text"/>	Address	<input type="text"/>
	<input type="text"/>		<input type="text"/>
Prosthetist/orthotist	<input type="text"/>	Com.	<input type="text"/>

Description	Article number	Colour	Order quantity
Antibacterial ThermoLyn rigid	616T252=8	Clear	
	616T252=10	Clear	
	616T252=12	Clear	
	616T252=15	Clear	
	616T252=600x600x12	Clear	
	616T252=600x600x15	Clear	
Antibacterial ThermoLyn clear (copolyester)	616T283=8	Clear	
	616T283=10	Clear	
	616T283=12	Clear	
	616T283=15	Clear	
	616T283=20	Clear	
Antibacterial ThermoLyn PETG clear (copolyester)	616T483=3	Clear	
	616T483=5	Clear	
Antibacterial ThermoLyn soft (EVA) Clear	616T253=8	Clear	
	616T253=10	Clear	
	616T253=12	Clear	
	616T253=15	Clear	

Comments	Company stamp/signature
<input type="text"/>	<input type="text"/>



SKINGUARD Thermoplastics and Lamination Resins

Fax order to: +49 5527 848-1414

Customer		Shipping address (if different from customer address)	
Customer no.	<input type="text"/>	Customer no.	<input type="text"/>
Company	<input type="text"/>	Company	<input type="text"/>
Address	<input type="text"/>	Address	<input type="text"/>
	<input type="text"/>		<input type="text"/>
Prosthetist/orthotist	<input type="text"/>	Com.	<input type="text"/>

Description	Article number	Colour	Order quantity
Antibacterial ThermoLyn soft (EVA) Skin colour	616T269=6	Skin colour	
	616T269=8	Skin colour	
	616T269=10	Skin colour	
	616T269=12	Skin colour	
ThermoLyn EVA/LDPE SilverShield®	616T200=9	Natural colour	
	616T200=12	Natural colour	
	616T200=16	Natural colour	
Pedilin SilverShield®	617S203=3	Skin colour	
	617S203=4	Skin colour	
	617S203=5	Skin colour	
	617S203=6	Skin colour	
	617S203=10	Skin colour	
Antimicrobial Nora® Lunairmed	617S229=3	Skin colour	
	617S229=6	Skin colour	

Description	Article number	Net contents	Order quantity
C-Orthocryl Sanitized®	617H255=0.900	0.90 kg	
	617H255=4.600	4.60 kg	
	617H255=25	25 kg	

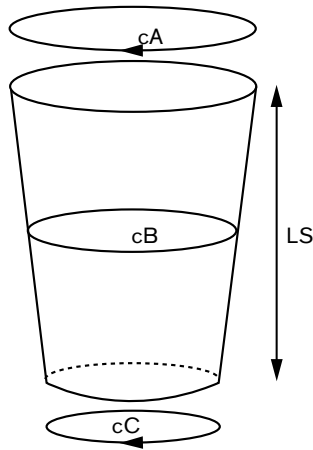
Comments	Company stamp/signature
<input type="text"/>	<input type="text"/>





Easy-Proth[®] Donning Sheath Measurement Form for Custom Fabrication

Customer no. <input style="width: 90%;" type="text"/>	Order no. <input style="width: 90%;" type="text"/>	Date <input style="width: 90%;" type="text"/>
Shipping address		Billing address (if different from shipping address)
Company <input style="width: 95%;" type="text"/>	Company <input style="width: 95%;" type="text"/>	
Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>	
Phone <input style="width: 95%;" type="text"/>	Phone <input style="width: 95%;" type="text"/>	
Fax <input style="width: 95%;" type="text"/>	Fax <input style="width: 95%;" type="text"/>	



Thigh circumference	cA	<input style="width: 80%;" type="text"/>	cm
Thigh circumference at half of the residual limb length	cB	<input style="width: 80%;" type="text"/>	cm
Residual limb circumference	cC	<input style="width: 80%;" type="text"/>	cm
Residual limb length	LS	<input style="width: 80%;" type="text"/>	cm
Pattern number	<input style="width: 95%;" type="text"/>		
Article number	<input style="width: 95%;" type="text"/>		

If your patient's leg measurements have not changed, use the above pattern for reordering. The pattern number and order number will be entered by the manufacturer during the order process.

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Acrydoc Poly	116	Carbon Fibre Cloth	81 f	2
Acryform Mono	117	Carbon Fibre Nonwoven Prepreg	127	
Acryform Poly	117	Carbon Fibre Webbing	84	
Acrymed Mono	116	Carbon Fibre Woven Prepreg	126 f	3
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