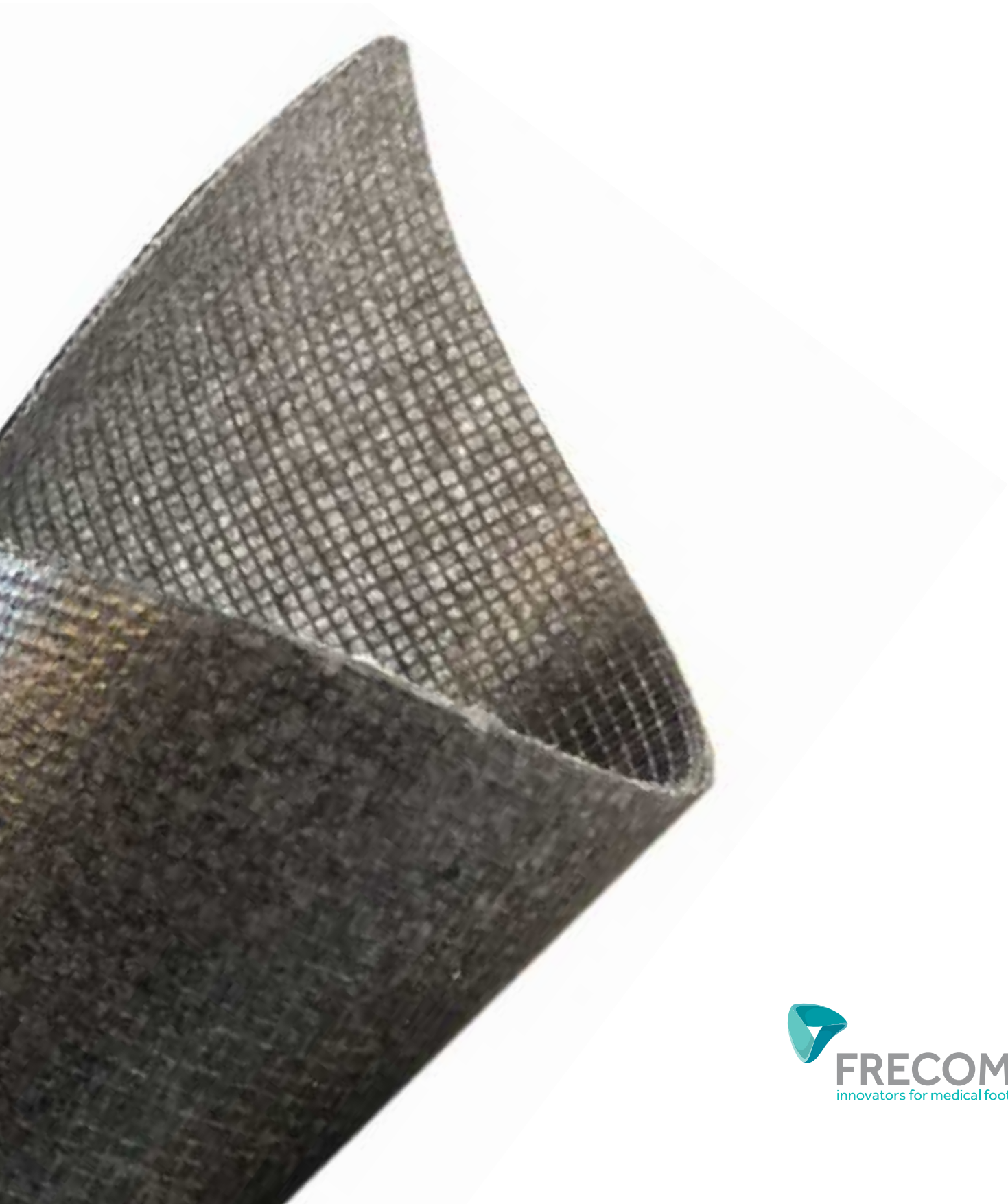






REINFORCEMENTS



REINFORCEMENTS

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REINFORCEMENTS FIRM

Berlaflex



Part n°	Thickness	Size
10.17.0160	1,6 mm	1.00 x 1.50 m
10.17.0180	1,8 mm	1.00 x 1.50 m
10.17.1180	1,8 mm	1.00 x 1.50 m

Berlaflex is a top-of-the-range thermoplastic designed as a soft and flexible reinforcement material specifically for orthopedic footwear. Notably free from PVC, it provides an environmentally friendly option for medical applications. Berlaflex ensures highly reliable bonding to a wide variety of materials due to its integrated adhesive compound. By applying heat, the adhesive is activated, and the material softens, allowing for easy molding and shaping. Upon cooling, it offers high stability and excellent shape retention, ensuring the reinforced parts maintain their structure and support over time. Additionally, Berlaflex can be reactivated with heat, enabling adjustments to its shape as needed.

- Free from PVC
- Adhesive in the compound
- High stability and shape retention
- Can be reactivated
- Clean sanding
- High comfort in wearing

This combination of durability, adaptability, and environmental consideration makes it an exceptional choice for orthopedic footwear reinforcement.

Rhenoflex Bio



Part n°	Thickness	Size
10.16.0100	1,0 mm	1.00 x 1.50 m
10.16.0140	1,4 mm	1.00 x 1.50 m

Extruded, thermoplastic and semi-firm material manufactured from renewable raw materials.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape
- Solvent-free production
- Rice husks as basis/renewable material
- Processed waste can be 100% reused

Application area: Ladies' and men's shoes, and in lower thicknesses for children's shoes

Rhenoflex 31.8

Top-of-the-range thermoplastic, firm to hard reinforcement material for Orthopedic footwear.

- Highly reliable bonding to a wide variety of materials
- Adhesive in the compound
- Apply heat to activate the adhesive and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape.

Application area: Insoles - Orthopedic footwear



Part n°	Type	Thickness	Size
10.09.0090	3128	0,9 mm	1,00 x 1,50 m
10.09.0100	3138	1,0 mm	1,00 x 1,50 m
10.09.0110	3148	1,1 mm	1,00 x 1,50 m
10.09.0120	3158	1,2 mm	1,00 x 1,50 m
10.09.0130	3168	1,3 mm	1,00 x 1,50 m

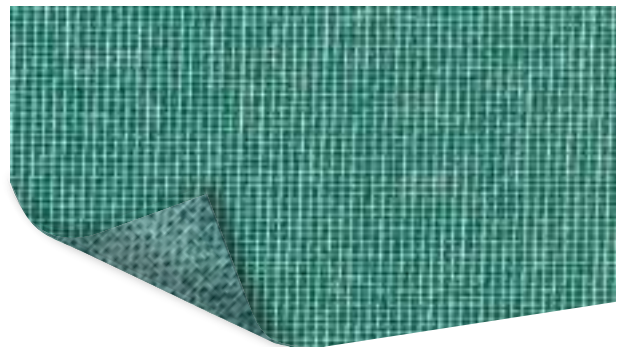
Part n°	Type	Thickness	Size
10.09.0150	3178	1,5 mm	1,00 x 1,50 m
10.09.0160	3188	1,6 mm	1,00 x 1,50 m
10.09.0180	3208	1,8 mm	1,00 x 1,50 m

Orthoplast

Non-woven based thermoplastic material that provides excellent resistance and durability for Orthopedic footwear.

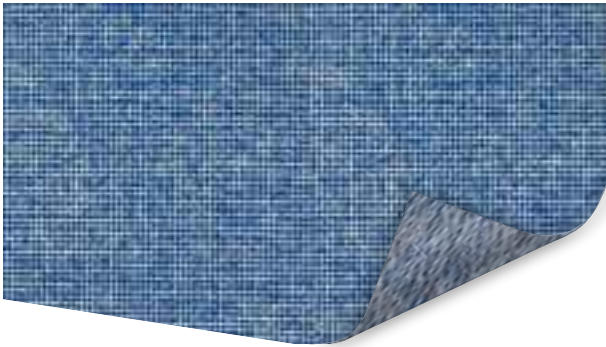
- Highly reliable bonding to a wide variety of materials
- Adhesive in the compound
- Apply heat to activate the adhesive and soften the material
- After cooling, the material offers high stability and shape retention.
- Parts can be reactivated to adjust to shape

Application area: Orthopedic footwear



Part n°	Thickness	Size
10.13.0110	1,1 mm	1,00 x 1,50 m
10.13.0150	1,5 mm	1,00 x 1,50 m

Orthoflex



Copolymer core of synthetic resins. High range of thermoplastic toe puffs and counters that meets the highest quality requirements, combines an excellent shape retention (up to 95%), resilience and durability even after intense use.

- Guarantees the maximum adhesion on both sides, even in the skived area.
- Great versatility, optimal behavior in flat counters as in pre-moulded.
- Easy workable
- 25% recycled material and fully recyclable

Application area: Insoles - Orthopedic footwear

Part n°	Thickness	Size
10.11.0110	1,1 mm	1.10 x 1.40 m
10.11.0160	1,6 mm	1.10 x 1.40 m

Rhenoflex 31.5



Top-of-the-range thermoplastic, firm to hard counter material.

- Two different fabrics; polyester and mesh fabric
- Excellent shape reproduction and shape retention
- Highly reliable bonding to almost all known upper materials
- Adhesive is in the compound which results that even the skived edges are sticky

Application area: ladies' and men's shoes, and in lower thicknesses for children's shoes

Part n°	Type	Thickness	Size
10.20.0070	3125	0,7 mm	1.00 x 1.50 m
10.20.0080	3135	0,8 mm	1.00 x 1.50 m
10.20.0100	3145	1,0 mm	1.00 x 1.50 m
10.20.0110	3155	1,2 mm	1.00 x 1.50 m
10.20.0130	3165	1,3 mm	1.00 x 1.50 m
10.20.0160	3185	1,6 mm	1.00 x 1.50 m

Thermoflex Black

Extruded, thermoplastic and firm material.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape

Application area: Insoles - Orthopedic footwear



Part n°	Thickness	Size
10.12.0090	0,9 mm	1.00 x 1.50 m
10.12.0130	1,3 mm	1.00 x 1.50 m

Thermoflex Magenta

Extruded, thermoplastic and firm material.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention.
- Parts can be reactivated to adjust to shape

Application area: Insoles - Orthopedic footwear



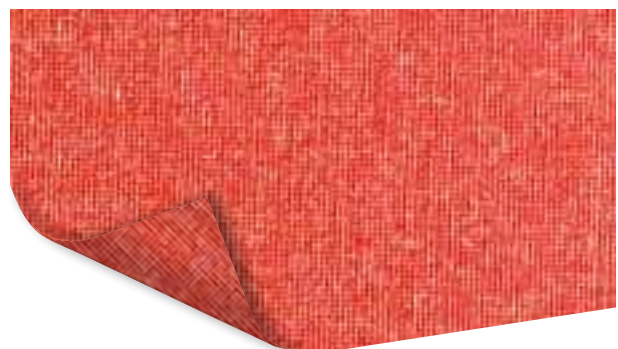
Part n°	Thickness	Size
10.12.0120	1,2 mm	1.00 x 1.50 m

Thermoflex Red

Extruded, thermoplastic and firm material.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape

Application area: Insoles - Orthopedic footwear



Part n°	Thickness	Size
10.12.1130	1,3 mm	1.00 x 1.50 m

Thermoflex Onyx



Extruded, thermoplastic and firm material.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape

Application area: Insoles - Orthopedic footwear

Part n°	Thickness	Size
10.12.2090	0,9 mm	1.00 x 1.50 m
10.12.2130	1,3 mm	1.00 x 1.50 m

Thermoflex Sand



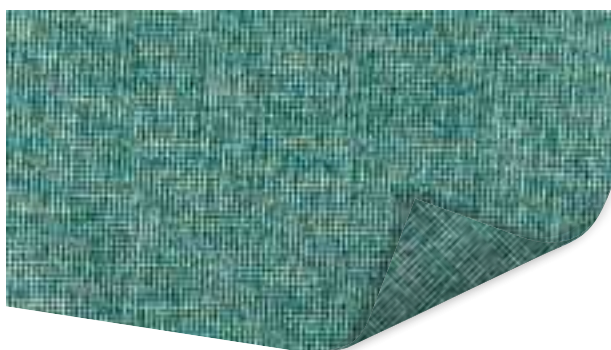
Extruded, thermoplastic and firm material.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape

Application area: Insoles - Orthopedic footwear

Part n°	Thickness	Size
10.12.0180	1,8 mm	1.00 x 1.50 m

Thermoflex Green



Extruded, thermoplastic and firm material.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Parts can be reactivated to adjust to shape

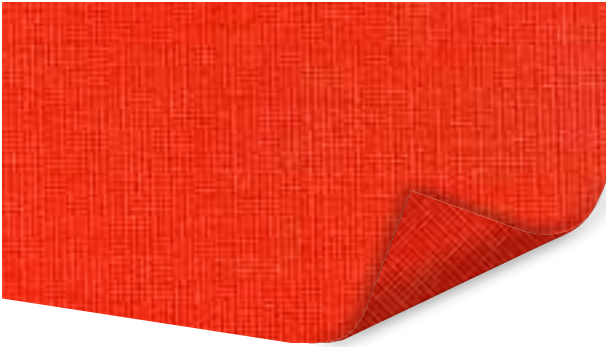
Application area: Insoles - Orthopedic footwear

Part n°	Thickness	Size
10.12.0100	1,0 mm	1.00 x 1.50 m

REINFORCEMENTS SOFT FLOW



Flowcore Advance



Extruded, thermoplastic and firm material with a copolymer core of synthetic resins.

- Apply heat to activate and soften the material
- The edges turn fluid during processing and therefore end up smooth
- After cooling, the material offers high stability and shape retention
- Highly resistant to breaking
- Parts can be reactivated to adjust to shape

Application area: Insoles

Part n°	Thickness	Size
10.28.2190	1,9 mm	1.00 x 1.50 m

Flowcore



Flowcore is a strong thermoplastic sheet material that has a high resistance to breaking. It's flowing properties allow you to process the material at approx. 130°C without applying a skiving edge.

- Processing without skiving
- High resistance to breaking
- Excellent shape retention

Usage: For reinforcement part in orthotics

Part n°	Thickness	Size	Color
10.27.0100	1,0 mm	1.10 x 1.40 m	Beige
10.27.1100	1,0 mm	1.10 x 1.40 m	Anthracite

Flowcore Pro



Extruded, thermoplastic and -semi-firm material with a copolymer core of synthetic resins.

- Apply heat to activate and soften the material
- The edges turn fluid during processing and therefore end up smooth
- After cooling, the material offers high stability and shape retention
- Highly resistant to breaking
- Parts can be reactivated to adjust to shape

Application area: Insoles

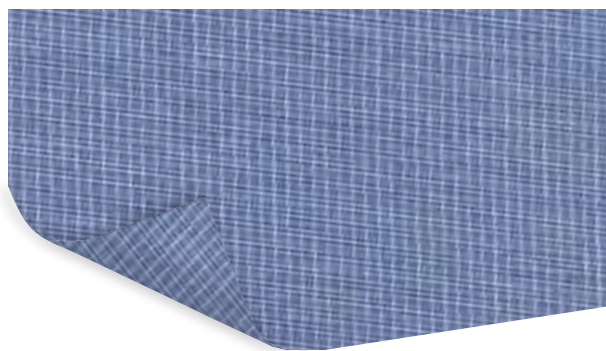
Part n°	Thickness	Size
10.29.0080	0,8 mm	1.00 x 1.50 m
10.29.0100	1,0 mm	1.00 x 1.50 m
10.29.0120	1,2 mm	1.00 x 1.50 m
10.29.0150	1,5 mm	1.00 x 1.50 m
10.29.0190	1,9 mm	1.00 x 1.50 m

Reflex Blue

Extruded, thermoplastic and firm material with a copolymer core of synthetic resins.
Both sides are covered with a tear proof Polyester fabric.

- Apply heat to activate and soften the material
- The edges turn fluid during processing and therefore end up smooth
- After cooling, the material offers high stability and shape retention
- Highly resistant to breaking
- Parts can be reactivated to adjust to shape

Application area: Insoles



Part n°	Thickness	Size
10.28.1090	0,9 mm	1.00 x 1.50 m
10.28.1130	1,3 mm	1.00 x 1.50 m
10.28.1150	1,5 mm	1.00 x 1.50 m

Reflex Orange

Extruded, thermoplastic and firm material with a copolymer core of synthetic resins.
Both sides are covered with a tear proof Polyester fabric.

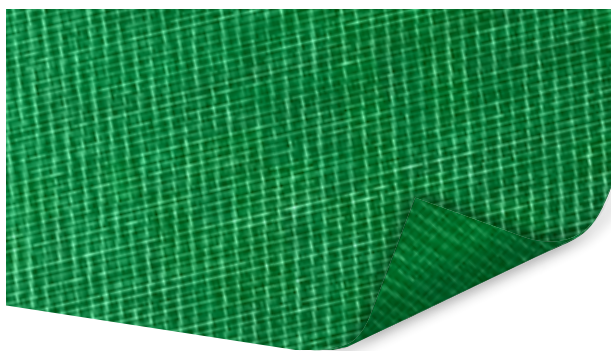
- Apply heat to activate and soften the material
- The edges turn fluid during processing and therefore end up smooth
- After cooling, the material offers high stability and shape retention
- Highly resistant to breaking
- Parts can be reactivated to adjust to shape

Application area: Insoles



Part n°	Thickness	Size
10.28.0090	0,9 mm	1.00 x 1.50 m
10.28.0130	1,3 mm	1.00 x 1.50 m
10.28.0150	1,5 mm	1.00 x 1.50 m

Podotec sprint green



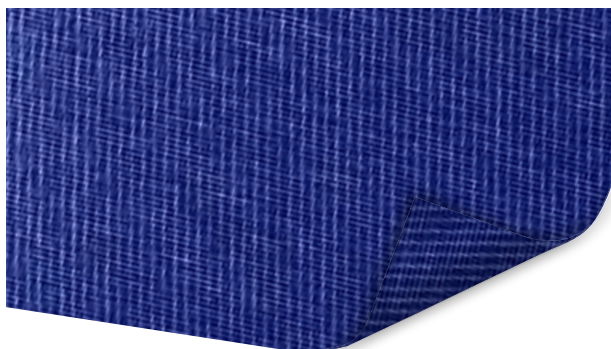
Extruded, thermoplastic and semi-firm material with a copolymer core of synthetic resins. Both sides are covered with a tear proof Polyester fabric.

- Apply heat to activate and soften the material
- The edges turn fluid during processing and therefore end up smooth
- After cooling, the material offers high stability and shape retention
- Highly resistant to breaking
- Parts can be reactivated to adjust to shape

Application area: Insoles

Part n°	Thickness	Size
10.25.1120	1,2 mm	1.00 x 1.50 m

Podotec sprint blue



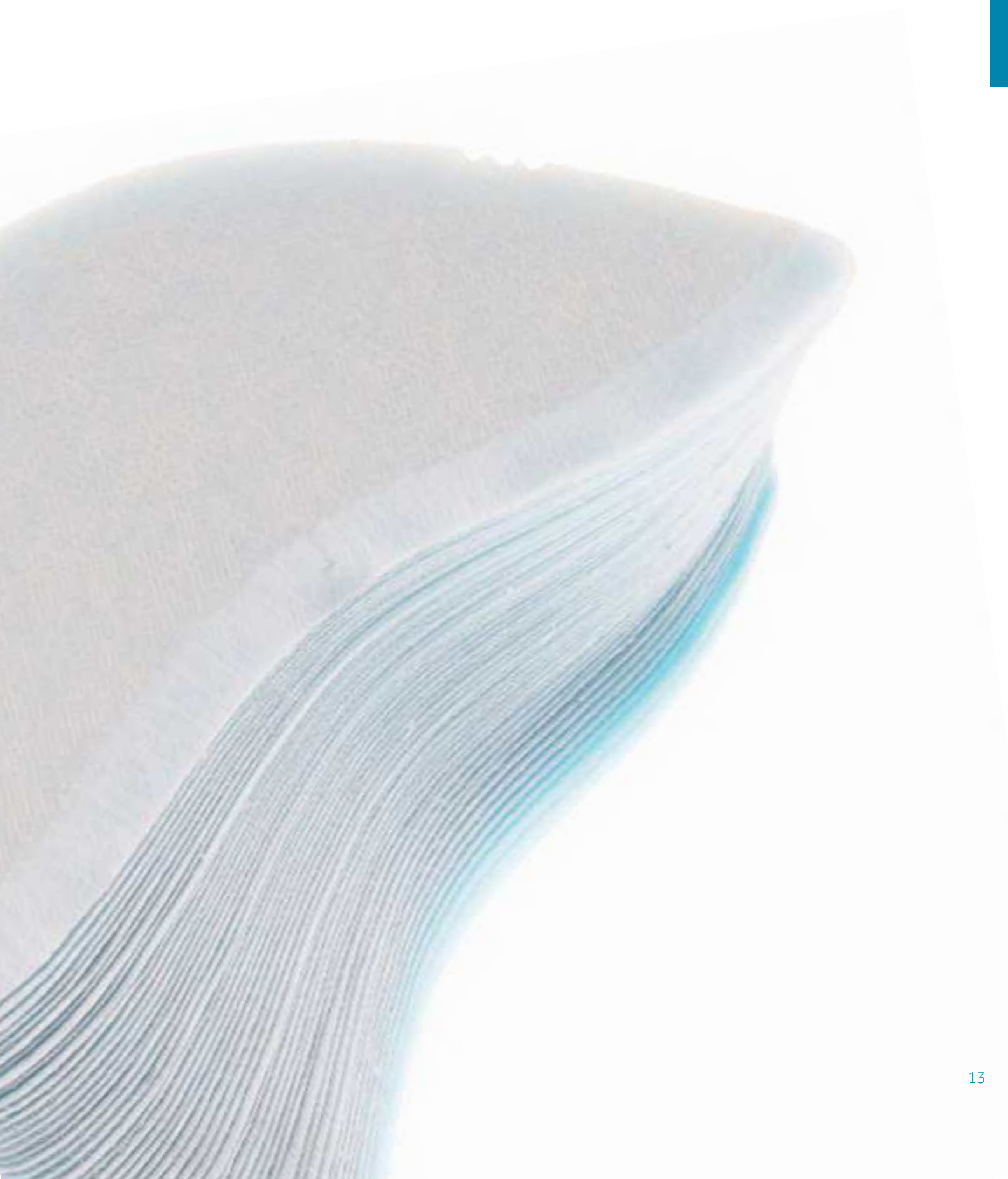
Thermoplastic and firm reinforcement material which provides fast and easy processing.

- The edges turn fluid during processing and therefore end up smooth
- Due to heat the adhesive will be activated and the material will be softened
- Material stays in shape after cooling process.

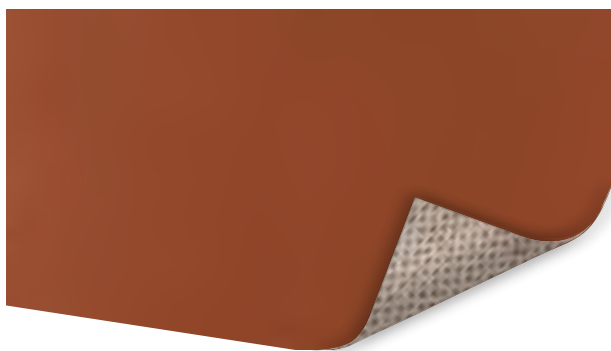
Usage: For insoles or reinforcement purposes

Part n°	Thickness	Size
10.25.0120	1,2 mm	1.00 x 1.50 m

REINFORCEMENTS ELASTIC



Imperfirm Brown



Extruded thermoplastic and firm to hard reinforcement material on a polyester non-woven.

- Excellent shape reproduction and shape retention
- High bounce back effect
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: ladies' and men's shoes, orthopedic footwear, insoles

Part n°	Thickness	Size
20.20.0080	0,8 mm	1.00 x 1.50 m
20.20.0100	1,0 mm	1.00 x 1.50 m
20.20.0140	1,4 mm	1.00 x 1.50 m

Imperfirm Black



Extruded thermoplastic and firm to hard reinforcement material on a polyester non-woven.

- Excellent shape reproduction and shape retention
- High bounce back effect
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: ladies' and men's shoes, orthopedic footwear, insoles

Part n°	Thickness	Size
20.21.0080	0,8 mm	1.00 x 1.50 m
20.21.0100	1,0 mm	1.00 x 1.50 m

Imperfirm 2/S White

Extruded thermoplastic and firm to hard reinforcement material on a two-sided polyester non-woven.

- Excellent shape reproduction and shape retention
- High bounce back effect
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: ladies' and men's shoes, orthopedic footwear, insoles



Part n°	Thickness	Size
20.22.1110	1,1 mm	1.00 x 1.50 m

Imperfirm 2/S Black

Extruded thermoplastic and firm to hard reinforcement material on a two-sided polyester non-woven.

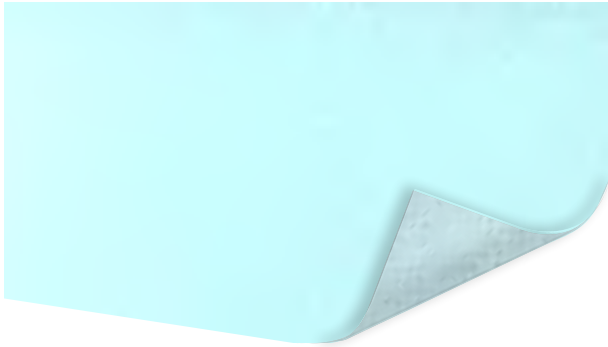
- Excellent shape reproduction and shape retention
- High bounce back effect
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: ladies' and men's shoes, orthopedic footwear, insoles



Part n°	Thickness	Size
20.22.0110	1,1 mm	1.00 x 1.50 m

Imperflex



Extruded thermoplastic and elastic reinforcement material on a polyester non-woven.

- Excellent shape reproduction and shape retention
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: ladies' and men's shoes, orthopedic footwear, insoles

Part n°	Thickness	Size
20.10.0060	0,6 mm	1.00 x 1.50 m
20.10.0070	0,7 mm	1.00 x 1.50 m
20.10.0080	0,8 mm	1.00 x 1.50 m
20.10.0090	0,9 mm	1.00 x 1.50 m
20.10.0100	1,0 mm	1.00 x 1.50 m

Rubberflex perforated



Extruded thermoplastic and very soft reinforcement material on a polyester non-woven.

- Excellent shape reproduction and shape retention
- Reliable bonding to a wide variety of material
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process
- Perforated for improved climate inside the shoe

Application area: Orthopedic footwear, Diabetic footwear

Part n°	Thickness	Size
20.32.0110	1,1 mm	1.00 x 1.50 m
20.32.0170	1,7 mm	1.00 x 1.50 m

Rubberflex

Extruded thermoplastic and very soft reinforcement material on a polyester non-woven

- Excellent shape reproduction and shape retention
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: Orthopedic footwear, Diabetic footwear



Part n°	Thickness	Size
20.30.0070	0,7 mm	1.00 x 1.50 m
20.30.0100	1,0 mm	1.00 x 1.50 m
20.30.0170	1,7 mm	1.00 x 1.50 m

Rubberflex 2/C

Extruded thermoplastic and very soft reinforcement material on a two-sided polyester non-woven.

- Excellent shape reproduction and shape retention
- Reliable bonding to a wide variety of material
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: Orthopedic footwear, Diabetic footwear



Part n°	Type	Thickness	Size
20.31.0070	2/C	0,7 mm	1.00 x 1.50 m
20.31.0170	2/C	1,7 mm	1.00 x 1.50 m

Erkoflex



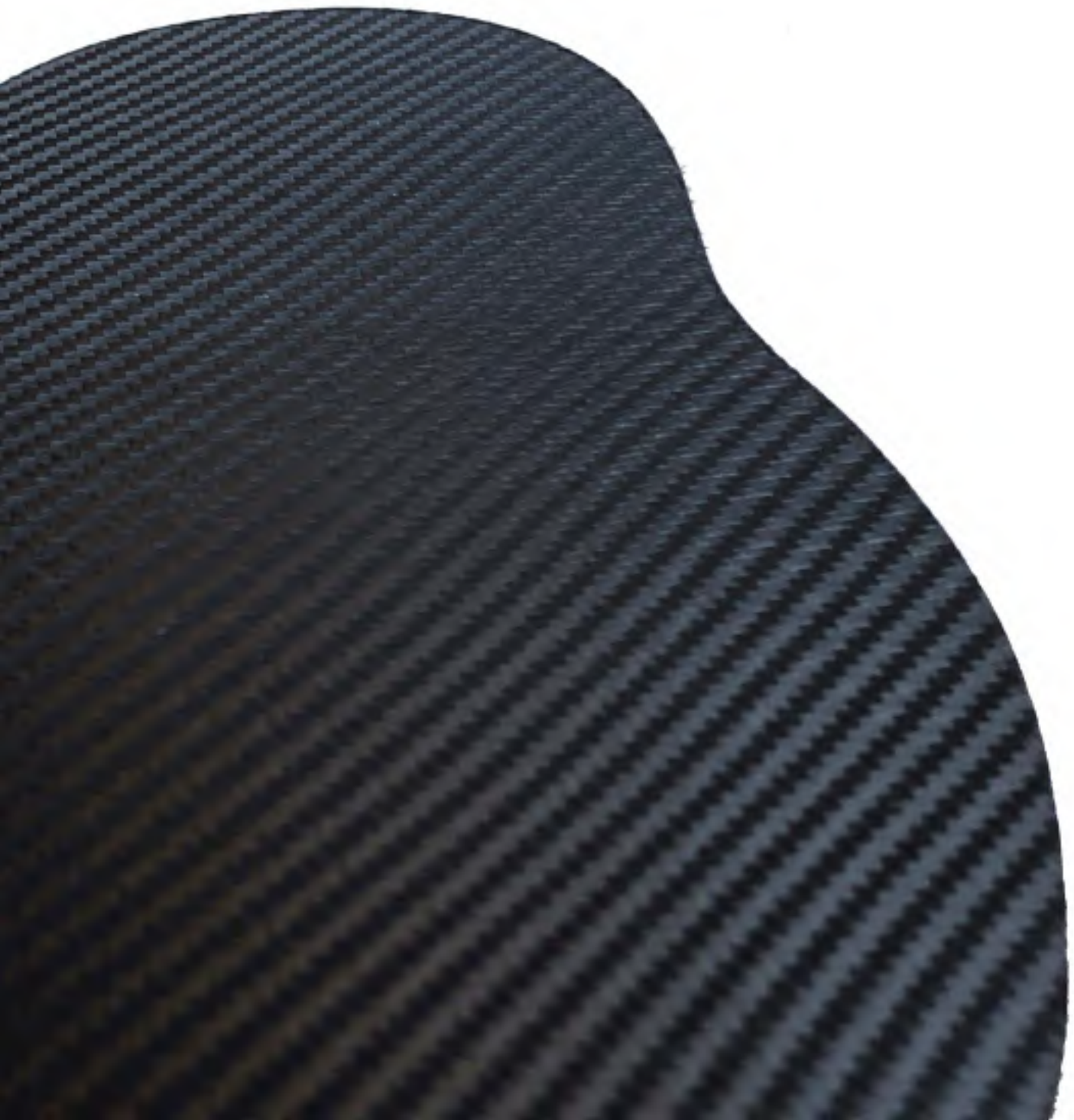
Extruded transparent EVA thermoplastic and soft reinforcement material

- Excellent shape reproduction
- High elasticity
- Apply heat to soften the material
- Material stays in shape after cooling process

Application area: Orthopedic footwear, insoles

Part n°	Thickness	Size
40.40.0150	1,5 mm	20.00x1.00 m
40.40.1150	1,5 mm	5.00 x 1.00 m
40.40.2150	1,5 mm	1.00 x 1.00 m
40.40.0200	2,0 mm	20.00x1.00 m
40.40.1200	2,0 mm	5.00 x 1.00 m
40.40.2200	2,0 mm	1.00 x 1.00 m
40.40.0300	3,0 mm	20.00x1.00 m
40.40.1300	3,0 mm	5.00 x 1.00 m
40.40.2300	3,0 mm	1.00 x 1.00 m
40.40.0400	4,0 mm	20.00x1.00 m
40.40.1400	4,0 mm	5.00 x 1.00 m
40.40.2400	4,0 mm	1.00 x 1.00 m

REINFORCEMENTS OPTICAL



Duraplast Carbon



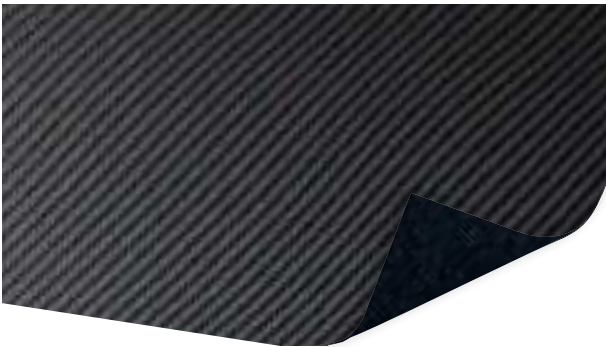
Extruded thermoplastic and flexible reinforcement material on a polyester non-woven with an optical Carbon look film.

- Excellent shape reproduction and shape retention
- Reliable bonding to a wide variety of materials
- Apply heat to activate the adhesive and soften the material
- Material stays in shape after cooling process

Application area: Insoles (optical parts)

Part n°	Thickness	Size
10.14.0110	1,1 mm	1.00 x 1.50 m

Thermoflex Carbon



Extruded, thermoplastic and firm material with an optical Carbon look film.

- Apply heat to activate and soften the material
- After cooling, the material offers high stability and shape retention
- Abrasion resistant optical Carbon look film
- Parts can be reactivated to adjust to shape

Application area: Insoles (optical parts)

Part n°	Thickness	Size
10.14.0150	1,5 mm	1.00 x 1.50 m

REINFORCEMENTS GRIP



Intex Ortho Anthracite



Extruded, thermoplastic and soft material with a high-grip surface.

- Apply heat to activate and soften the material
- After cooling, the material offers high grip and shape retention
- Tear proof
- Parts can be reactivated to adjust to shape.

Application area: Grip zones for insoles

Part n°	Thickness	Size
20.80.0040	0,4 mm	1.00 x 1.50 m

REINFORCEMENTS NON WOVEN / INSOLE

Tenoflex V



Thermoplastic, impregnated and firm to hard reinforcement material on a needle-punched non-woven base

- One-side coated with an EVA hot-melt film
- Excellent shape reproduction
- Due to heat the adhesive will be activated and the material will be softened
- Material stays in shape after cooling process

Usage: Orthopedic footwear / shank reinforcement

Part n°	Thickness	Size
10.30.0080	0,8 mm	1.00 x 1.50 m
10.30.0110	1,1 mm	1.00 x 1.50 m
10.30.0130	1,3 mm	1.00 x 1.50 m

Tenoflex C65



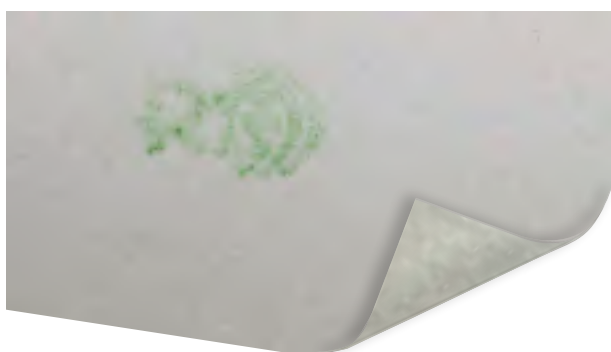
Thermoplastic, impregnated and firm to hard reinforcement material on a needle-punched non-woven base.

- One-side coated with an increased amount of EVA hot-melt
- Excellent shape reproduction
- Due to heat the adhesive will be activated and the material will be softened.
- Material stays in shape after cooling process

Usage: Orthopedic footwear / shank reinforcement

Part n°	Thickness	Size
10.30.0150	1,5 mm	1.00 x 1.50 m

Tenoflex C86



Thermoplastic, impregnated and firm to hard reinforcement material on a needle-punched non-woven base.

- Two-sides coated with an EVA hot-melt
- Excellent shape reproduction
- Due to heat the adhesive will be activated and the material will be softened
- Material stays in shape after cooling process

Application area: Safety footwear / shank reinforcements

Part n°	Thickness	Size
10.30.0180	1,8 mm	1.00 x 1.50 m

Syntex

Thermoplastic, impregnated and firm to hard reinforcement material on a needle-punched non-woven base.

- One-side coated with an EVA hot-melt film
- Excellent shape reproduction.
- Due to heat the adhesive will be activated and the material will be softened.
- Material stays in shape after cooling process

Usage: Orthopedic footwear / shank reinforcement



Part n°	Thickness	Size
10.84.0200	2,0 mm	1.00 x 1.50 m

Ibitex Beige

A non woven insole material based on synthetic fibers, impregnated with synthetic resin in watery dispersion.

- High tear resistance
- Provides high moisture absorption and evacuation of the dampness
- Excellent dimensional stability

Application area: Insoles for stitch-down and cemented lasted constructions



Part n°	Thickness	Size
10.71.2200	2,0 mm	1.00 x 1.50 m
10.71.2250	2,5 mm	1.00 x 1.50 m
10.71.2300	3,0 mm	1.00 x 1.50 m

Plantex Beige



A non woven insole material based on synthetic fibers, impregnated with synthetic resin in watery dispersion.

- High tear resistance
- Provides high moisture absorption and evacuation of the dampness
- Excellent dimensional stability

Application area: Insoles for stitch-down and cemented lasted constructions

Part n°	Thickness	Size
10.70.0200	2,0 mm	1.00 x 1.50 m
10.70.0250	2,5 mm	1.00 x 1.50 m
10.70.0300	3,0 mm	1.00 x 1.50 m

Plantex Black



A non woven insole material based on synthetic fibers, impregnated with synthetic resin in watery dispersion.

- High tear resistance
- Provides high moisture absorption and evacuation of the dampness
- Excellent dimensional stability

Application area: Insoles for stitch-down and cemented lasted constructions

Part n°	Thickness	Size
10.71.1300	3,0 mm	1.00 x 1.50 m

Plantex Brown



A non woven insole material based on synthetic fibers, impregnated with synthetic resin in watery dispersion.

- High tear resistance
- Provides high moisture absorption and evacuation of the dampness
- Excellent dimensional stability

Application area: Insoles for stitch-down and cemented lasted constructions

Part n°	Thickness	Size
10.71.0250	2,5 mm	1.00 x 1.50 m

Fibran

Composite textile based firm-hard reinforcement material for cold processing.

- Highly reliable bonding to a wide variety of materials
- Adhesive in the textile base
- Use of particular solvents* are needed to activate the adhesive and soften the material
- After drying, the material offers high stability and shape retention
- Parts cannot be reactivated after use

Application area: Orthopedic footwear, ladies' and men's shoes, and in lower thicknesses for children's shoes.

**For solvents we refer to our range of adhesives/chemicals*



Part n°	Thickness	Size
10.80.0080	0,8 mm	1,00 x 1,50 m
10.80.0100	1,0 mm	1,00 x 1,50 m
10.80.0120	1,2 mm	1,00 x 1,50 m
10.80.0140	1,4 mm	1,00 x 1,50 m
10.80.0200	2,0 mm	1,00 x 1,50 m

Fibran soft

Composite textile based soft reinforcement material for cold processing.

- Highly reliable bonding to a wide variety of materials
- Adhesive in the textile base
- Use of particular solvents* are needed to activate the adhesive and soften the material
- After drying, the material offers high stability and shape retention
- Parts cannot be reactivated after use

Application area: Orthopedic footwear, ladies' and men's shoes, and in lower thicknesses for children's shoes

**For solvents we refer to our range of adhesives/chemicals*



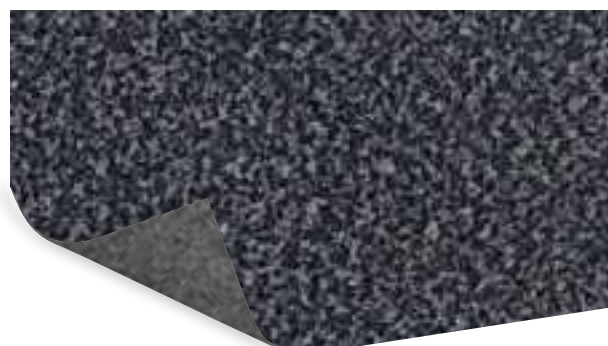
Part n°	Thickness	Size
10.80.1200	2,0 mm	1,00 x 1,50 m

Hotflex

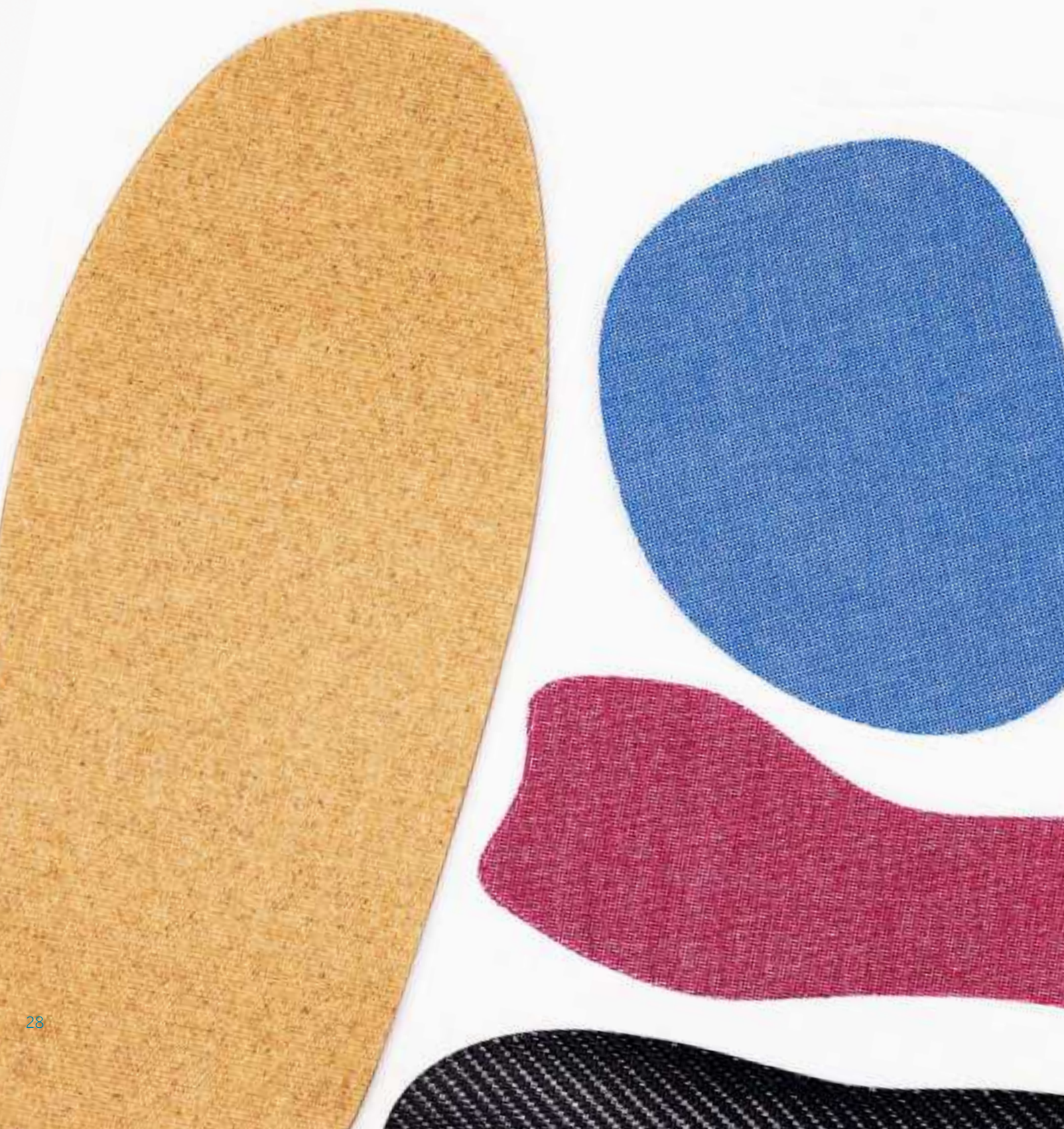
Top-of-the-range impregnated, thermoplastic and very hard reinforcement material on polyester non-woven.

- Very good bonding to a wide variety of materials
- Due to heat the adhesive will be activated and the material will be softened
- Light weight
- Material stays in shape after cooling process

Application area: Orthopedic footwear, insoles



Part n°	Thickness	Size
10.31.0160	1,5 mm	1,00 x 1,50 m
10.31.0200	2,0 mm	1,00 x 1,50 m



REINFORCEMENTS
CONVERTING OPTIONS

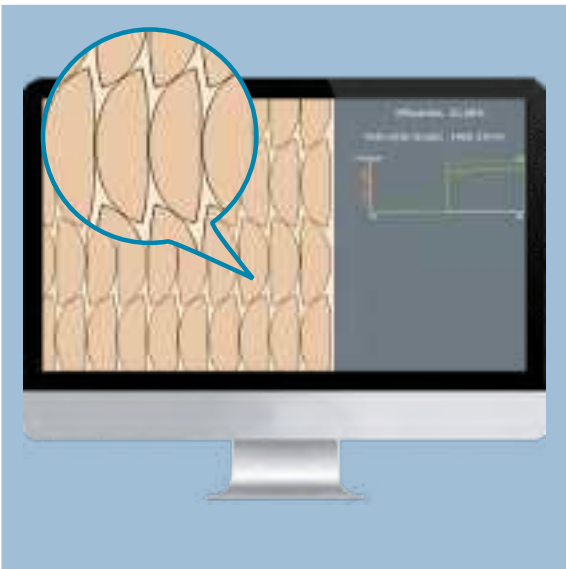


Converting options



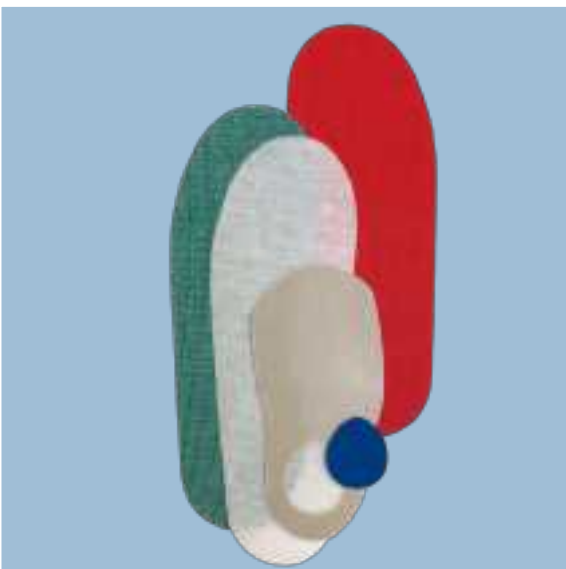
Traceability

Our production line is equipped with a digital printer that can mark individual components with unique production references and charge numbers. This allows us to track and trace them as they move along the supply chain, from components to finished products. It offers numerous benefits, such as the ability to investigate and troubleshoot issues related to these components.



Digital cutting

Our modular cutting system can be adapted to cut the most complex models from our range of thermoplastic materials. With interchangeable modules, tools, and blades, it can be configured to cut both the thinnest, flexible sheet materials and the most rigid reinforcement sheets with extreme precision. The specialized Cut Center software facilitates every aspect of the production workflow - from file import and production planning to cut data optimization.



Custom componenting

We offer an extensive library of the most commonly used templates for your selection. From this collection, you can choose any template, or our design department can assist you in creating your own design and converting it into a functional template optimized for maximum yield.

Die cutting

The Classic Cutting Technique for High-Volume Productions with our 30 ton die-cutting machines, we can process up to 20 layers at once.



Skiving

A skiving edge can be applied to our reinforcement parts to reduce the outer edge and enhance wear comfort.





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