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Thermoplastic 2020

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3D-LITE™

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X-LITE® & 3D-LITE™

X-LITE® is an airy and lightweight Low Thermoplastic material engineered to meet your splinting, bracing and casting demands. The material is made from a 100% cotton mesh that has been impregnated with a non-toxic thermoplastic resin. All reactive substances in the thermoplastic have been cured, which means it does not contain any residues in unreacted form. X-LITE® is a NON-Toxic material and emits no harmful substances when heated, applied or in the drying process. The material can be applied without the use of gloves and special ventilation equipment in the casting room and upon removal of the cast no harmful dust is produced. It is safe for all users to work with X-LITE®, including pregnant woman, asthmatic patients and people that suffer from allergic reactions.

Our 3D-LITE™ material shares the benefits of X-LITE® and is also a NON-Toxic material. The base is a 3-Dimensional Polyester fabric which contributes to increased strength. 3D-LITE™ is a superior product for splinting and bracing and it also comes pre-cut for an individual fitted corset.

Features & Benefits

EXCELLENT VENTILATION

The open structure in the material gives great ventilation and comfort. This allows the skin to breathe, besides providing an optimal environment for wound healing.

LIGHTWEIGHT

Our Low Thermoplastics are ultra-light in weight for patient comfort and better compliance.

REUSABLE AND RE-MOLDABLE

Save money and time. Reuse rolls and leftovers. Make small changes on an already made cast/splint instead of a new one costing extra money, extra time and discomfort for your patient.

VARIABLE RIGIDITY

Add layers for additional rigidity. Add strips just to areas where additional reinforcement or support is desired.

EXCELLENT CONFORMABILITY

Forms easily to the anatomy - no need to stretch or tug.

BONDING

Self-adheres once heated. No solvents or adhesives required.

FAST CURING TIME

In only 30 minutes your patient will be fully supported and weight bearing is allowed.

X-RAY TRANSLUCENT

All our materials are completely translucent to X-ray when using up to three layer.

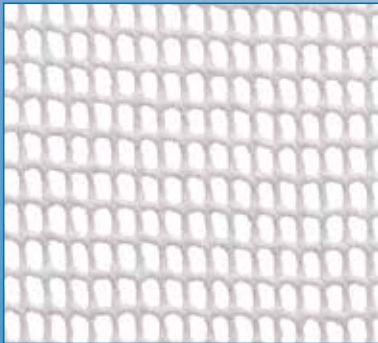
STRONG

X-LITE® is an extremely strong material. Use significantly less layers of material for equal strength compared to other splinting and casting materials on the market.



X-LITE® Product Options

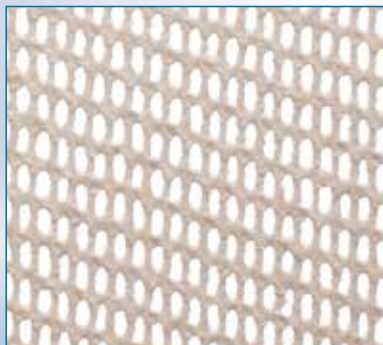
X-LITE® comes in three different versions. Classic, Premium and Plus.
The choice of product depends on the clinical indication and preference.



CLASSIC is the original X-LITE® material. The large mesh openings give great ventilation. As the strongest material in our range, you can use it for any cast or splint of your choice.



PLUS is the latest addition to the X-LITE® range of products. It comes in five colours and has a soft polyester fabric surface.



PREMIUM is made of the same cotton mesh but thinner and with smaller openings. This makes PREMIUM even more conformable and stretchable and therefore suitable for upper extremities and children.

Learn more about how to work with our materials and find Instructional Videos and Handbook at www.allardint.com.

Take appropriate precautions to prevent burns when using hot water, heat gun or hairdryer.

Temperature and Working Time - Guidelines

X-LITE® Casting & Splinting Material

Working/Setting Time - IMPORTANT: Water temperature at approx. 70°C (160°F)

	Heating Time	Working Time	Load Bearing Time	Heat Source
X-LITE® Rolls	3 minutes	45-60 seconds	30 minutes	Waterbath
X-LITE® Sheets	1 minute	30-45 seconds	N/A	Waterbath
3D-LITE™	2 minutes	2-3 minutes	N/A	Waterbath/Heatgun/Oven (80°)
Edging Tape	10-15 seconds	15-20 seconds	N/A	Heatgun/waterbath
Thermoplastic Hook	15-20 seconds	20-30 seconds	N/A	Heatgun/waterbath

All materials can be re-heated any number of times. Smaller pieces can be heated with a hairdryer.

Small re-designs of the cast directly on the patient is also possible with a hairdryer.

Cast can be removed with ordinary cast instruments. Rigidity of splint or cast is decided by number of layers.

X-LITE® splinting and casting material the environmentally friendly choice!

X-LITE is the only casting material made from a cotton base impregnated with a non-toxic, safe polymer.

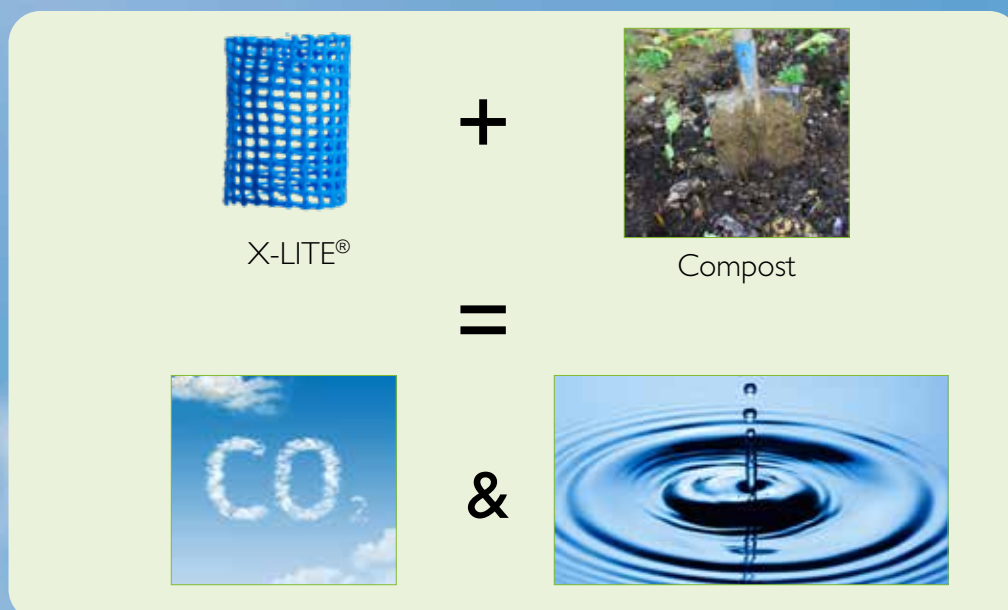
X-LITE® is a NON-Toxic and environmentally friendly product providing a safe working environment and protecting our nature.



The polymer in X-LITE is Oxepanone. It belongs to a group of biodegradable polyester PCL which is a well-known implantable biomaterial. Adding only the cotton* X-LITE meets the International Standards for Biodegradation and is sorted as non-hazardous waste.

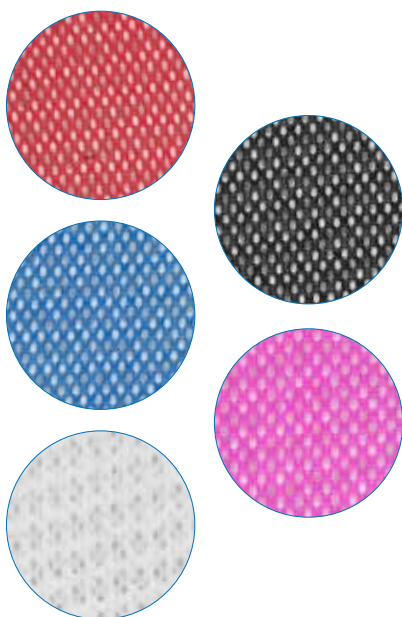
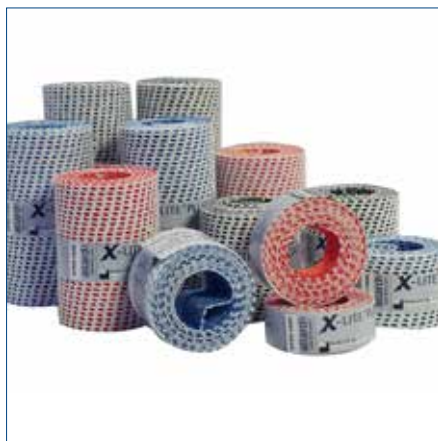
Removing all attachments like hook, straps and padding you can compost your X-LITE Classic and Premium splint or cast. It will slowly disintegrate as water and topsoil in a compost bin!

*X-LITE PLUS has a polyester fabric surface.



X-LITE® PLUS

X-LITE® PLUS is our newest material in the X-LITE® range. It is available in five colours and has a soft polyester fabric surface on one side. PLUS is almost similar in strength to Classic and can be used to make any cast or splint of your choice. PLUS is also popular amongst Occupational Therapist for splinting. It comes in rolls, sheets and dispensers. PLUS rolls have no separator and forms easy and fast directly on the patient.



X-LITE® PLUS ROLLS & DISPENSERS

Our newest material for casting and splinting. You can choose between rolls in all 5 colors in 7 different widths. Sheets and boxes comes in selected colors.

Item No.	Colour	Width	Length	Package
64701 0000	White	25 mm	1,8 m	5 rolls
64703 0000	White	75 mm	1,8 m	20 rolls
64704 0000	White	100 mm	1,8 m	10 rolls
64706 0000	White	125 mm	1,8 m	10 rolls
64707 0000	White	150 mm	1,8 m	10 rolls
64708 0000	White	150 mm	1,8 m	2 rolls
64711 0000	Red	25 mm	1,8 m	5 rolls
64713 0000	Red	75 mm	1,8 m	20 rolls
64714 0000	Red	100 mm	1,8 m	10 rolls
64716 0000	Red	125 mm	1,8 m	10 rolls
64717 0000	Red	150 mm	1,8 m	10 rolls
64718 0000	Red	150 mm	1,8 m	2 rolls
64721 0000	Blue	25 mm	1,8 m	5 rolls
64723 0000	Blue	75 mm	1,8 m	20 rolls
64724 0000	Blue	100 mm	1,8 m	10 rolls
64726 0000	Blue	125 mm	1,8 m	10 rolls
64727 0000	Blue	150 mm	1,8 m	10 rolls
64728 0000	Blue	150 mm	1,8 m	2 rolls
64731 0000	Black	25 mm	1,8 m	5 rolls
64733 0000	Black	75 mm	1,8 m	20 rolls
64734 0000	Black	100 mm	1,8 m	10 rolls
64736 0000	Black	125 mm	1,8 m	10 rolls
64737 0000	Black	150 mm	1,8 m	10 rolls
64738 0000	Black	150 mm	1,8 m	2 rolls
64741 0000	Hot Pink	25 mm	1,8 m	5 rolls
64743 0000	Hot Pink	75 mm	1,8 m	20 rolls
64744 0000	Hot Pink	100 mm	1,8 m	10 rolls
64746 0000	Hot Pink	125 mm	1,8 m	10 rolls
64747 0000	Hot Pink	150 mm	1,8 m	10 rolls
64748 0000	Hot Pink	150 mm	1,8 m	2 rolls
64791 0000	Blue	150 mm	10 m	1 dispenser
64753 0000	Blue	200 mm	375 mm	8 sheets
64792 0000	Black	150 mm	10 m	1 dispenser
64754 0000	Black	200 mm	375 mm	8 sheets
64793 0000	Hot Pink	150 mm	10 m	1 dispenser
64790 0000	Red	150 mm	10 m	1 dispenser

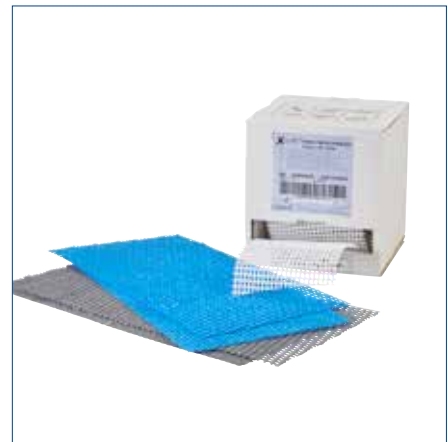
X-LITE® CLASSIC

X-LITE® CLASSIC is our original material. It is now available in two new colors -Anthracite and Royal Blue. With its open structure, it is the airiest of the three materials. It is also the strongest and suitable for any splint or cast of your choice. It stretches and conforms well to contours for a perfect fit. CLASSIC comes in sheets, dispenser box and rolls. The rolls have a plastic separator you remove during the working process.

X-LITE® CLASSIC ROLLS, SHEETS & DISPENSERS

Our original material for casting and splinting in three colors. Choose between rolls, sheets in predetermined practical sizes or 10 m in dispenser box.

Item No.	Colour	Width	Length	Package
64103 0002	White	50 mm	1,8 m	20 rolls
64133 0003	White	75 mm	1,8 m	20 rolls
64143 0004	White	100 mm	1,8 m	10 rolls
64153 0005	White	125 mm	1,8 m	10 rolls
64163 0006	White	150 mm	1,8 m	10 rolls
64136 0000	Anthracite	75 mm	1,8 m	5 rolls
64146 0000	Anthracite	100 mm	1,8 m	5 rolls
64168 0000	Anthracite	150 mm	1,8 m	2 rolls
64137 0000	Royal Blue	75 mm	1,8 m	5 rolls
64147 0000	Royal Blue	100 mm	1,8 m	5 rolls
64169 0000	Royal Blue	150 mm	1,8 m	2 rolls
64278 0000	White	25 mm	500 mm	50 sheets
64293 0003	White	75 mm	375 mm	15 sheets
64294 0004	White	100 mm	375 mm	15 sheets
64295 0005	White	125 mm	375 mm	15 sheets
64296 0006	White	150 mm	375 mm	15 sheets
64297 0006	White	150 mm	900 mm	15 sheets
64290 0008	White	200 mm	375 mm	15 sheets
64291 0008	White	200 mm	1,2 m	15 sheets
64292 0008	White	200 mm	900 mm	15 sheets
64298 0018	White	450 mm	500 mm	10 sheets
64299 0020	White	500 mm	500 mm	10 sheets
64302 0000	Anthracite	200 mm	375 mm	8 sheets
64303 0000	Anthracite	450 mm	500 mm	4 sheets
64304 0000	Royal Blue	200 mm	375 mm	8 sheets
64305 0000	Royal Blue	450 mm	500 mm	4 sheets
64250 0000	White	75 mm	10 m	1 dispenser
64251 0000	White	100 mm	10 m	1 dispenser
64254 0000	White	125 mm	10 m	1 dispenser
64252 0000	White	150 mm	10 m	1 dispenser
64253 0000	White	200 mm	10 m	1 dispenser
64254 0000	White	125 mm	10 m	1 dispenser
64255 0000	Anthracite	150 mm	10 m	1 dispenser
64256 0000	Royal Blue	150 mm	10 m	1 dispenser



X-LITE® PREMIUM

X-LITE® PREMIUM has a finer mesh than the CLASSIC material and is even more conformable and stretchable. It is very suitable for splints and casts for the upper extremity and children. If you want your splint or cast to be extra strong you might consider adding an extra layer. PREMIUM comes in sheets, dispenser box and rolls. The rolls have a plastic separator you remove during the working process.



X-LITE® PREMIUM ROLLS, SHEETS & DISPENSERS

Our most conformable material for casting. Choose between rolls, sheets in predetermined practical sizes or 10 m in dispenser box.

Item No.	Colour	Width	Length	Package
64205 0002	White	50 mm	1,8 m	5 Rolls
64207 0003	White	75 mm	1,8 m	5 Rolls
64209 0004	White	100 mm	1,8 m	5 Rolls
64210 0005	White	125 mm	1,8 m	5 Rolls
64211 0006	White	150 mm	1,8 m	5 Rolls
64215 0003	Beige	75 mm	375 mm	10 Sheets
64217 0004	Beige	100 mm	375 mm	10 Sheets
64219 0006	Beige	150 mm	375 mm	10 Sheets
64220 0008	Beige	200 mm	375 mm	10 Sheets
64225 0000	Beige	75 mm	10 m	1 Dispenser
64226 0000	Beige	100 mm	10 m	1 Dispenser
64227 0000	Beige	150 mm	10 m	1 Dispenser
64228 0000	Beige	200 mm	10 m	1 Dispenser

3D-LITE™

3D-LITE™ is available in sheets in three different thicknesses 3, 5 and 7 mm. It is used for splinting and bracing and also suitable for larger applications. Our fabrication kits, Cut-4-Custom corset LSO and TLSO, are made out of 3D-LITE™ and share the same benefits as the rest of our products.

3D-LITE™ SHEETS

3D-LITE™ comes in three different thicknesses, each one suitable for different applications:

3mm

Small joint and small anatomy. Excellent for rheumatoid patients.

5mm

When more stability is needed, humeral fracture bracing, tibia fracture bracing, elbow splints, paediatric TLSOs.

7mm

An extremely rigid material. Very suitable for adult TLSO's and other applications where maximum rigidity is required.



Item No.	Colour	Width	Length	Thickness	Package
64896 0000	Beige	600 mm	600 mm	3 mm	1 Sheet
64897 0000	Beige	600 mm	900 mm	3 mm	1 Sheet
64898 0000	Beige	600 mm	600 mm	5 mm	1 Sheet
64899 0000	Beige	600 mm	900 mm	5 mm	1 Sheet
64900 0000	Beige	600 mm	600 mm	7 mm	1 Sheet
64901 0000	Beige	600 mm	900 mm	7 mm	1 Sheet

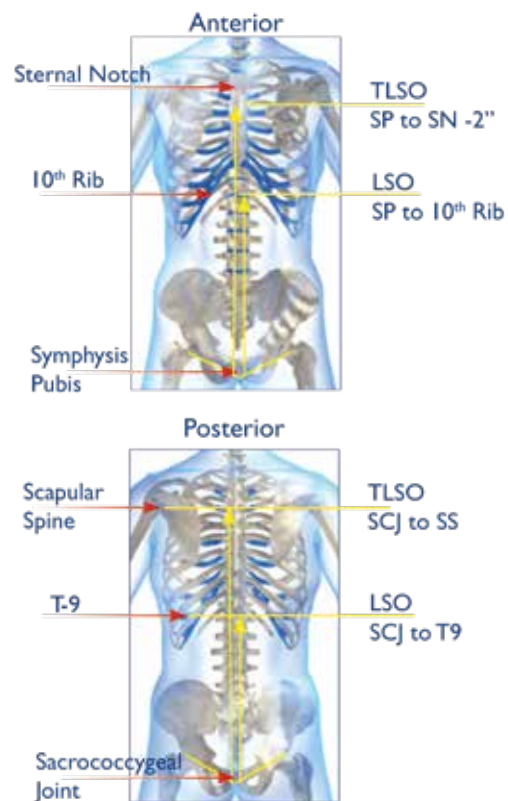
CUT-4-CUSTOM LSO & TLSO

Cut-4-Custom is a corset in 3D-LITE™ material which consists of a pre-cut front and back section with pre-attached straps. It is easily molded directly on the patient for a custom fitted stable corset.

The corset comes as a LSO and TLSO to accommodate prescription and patient anatomy. Find the right size by measuring your patient and compare with the Sizing Chart. Choose a Front and a Back. For patients with a long torso or larger breast or belly choose the Front+ and Back+. These have extra material in the height and also thicker material for increased strength.



3D-LITE™



Both panels are ready to be heated and custom molded to patient. The pre-attached straps may be repositioned to meet the specific needs of your patient.

Available in 4 heights to accommodate prescription and patient anatomy:

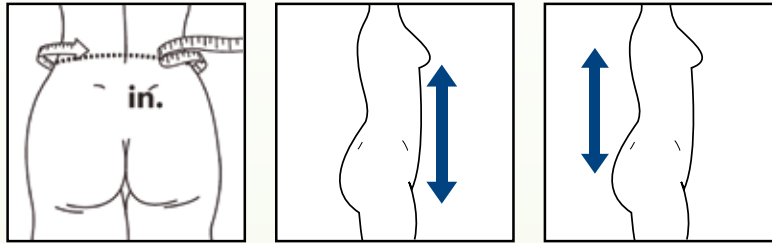
- Pre-cut panels are sold separately and are interchangeable.
- Panels may be re-heated, flattened, and re-shaped.
- Optional liners provide a soft interface between brace and skin, add an attractive appearance, and are washable.
- Cools and becomes a rigid LSO or TLSO in approximately 15-20 minutes.

3D-LITE™ Cut-4-Custom LSO & TLSO

Instructional videos available at www.allardint.com

Sizing

1. Measure waist circumference.
2. Take vertical measurement required to meet prescription criteria.



		C4C Panel		Circumference		Max Height		Liner	
		Anterior	Posterior	CM		Anterior	Posterior	Anterior	Posterior
	size	Item No.	Item No.	min	max	cm	cm	Item No.	Item No.
LSO	XS/S	64919 0011	64921 0011	60	75	19,5	30	64929 0011	64931 0011
	S/M	64919 0012	64921 0012	70	90	19,5	31,5	64929 0012	64931 0012
	M/L	64919 0013	64921 0013	85	105	21,5	33,5	64929 0013	64931 0013
	L/XL	64919 0014	64921 0014	95	120	24,5	35	64929 0014	64931 0014
	XL/XXL	64919 0015	64921 0015	115	140	27	36,5	64929 0015	64931 0015
LSO+	XS/S	64920 0011	64921 0011	60	75	30	30	64930 0011	64931 0011
	S/M	64920 0012	64921 0012	70	90	31,5	31,5	64930 0012	64931 0012
	M/L	64920 0013	64921 0013	85	105	33,5	33,5	64930 0013	64931 0013
	L/XL	64920 0014	64921 0014	95	120	35	35	64930 0014	64931 0014
	XL/XXL	64920 0015	64921 0015	115	140	36,5	36,5	64930 0015	64931 0015
TLSO	S/M	64922 0010	64923 0010	70	90	42	42	64932 0010	64933 0010
	M/L	64922 0012	64923 0012	85	110	48	48	64932 0012	64933 0012
	L/XL	64922 0013	64923 0013	105	135	48	48	64932 0014	64933 0014
	XL/XXL	64922 0014	64923 0014	105	135	54	54	64932 0014	64933 0014
TLSO+	S/M	64924 0010	64925 0010	70	90	47	47	64934 0010	64935 0010
	M/L	64924 0012	64925 0012	85	110	55	55	64934 0012	64935 0012
	L/XL	64924 0013	64925 0013	105	135	55	55	64934 0014	64935 0014
	XL/XXL	64924 0014	64925 0014	105	135	60	60	64934 0014	64935 0014

X-LITE® AND 3D-LITE™ ACCESSORIES

To provide the patient with the best and most comfortable solution we have a wide range of accessories that will help you to complete your cast or splint.

STOCKINETTE DISPENSER

Our round knitted polyester stockinette is soft and comfortable against the skin. The Stockinette is ribbed which gives a good fit with no wrinkles against the skin. Roll in a practical dispenser box.

Item No.	Colour	Width	Length	Package
64394 0000	White	30 mm	25 m	1 Dispenser
64395 0000	White	50 mm	25 m	1 Dispenser
64396 0000	White	70 mm	25 m	1 Dispenser
64397 0000	White	100 mm	25 m	1 Dispenser
64398 0000	White	150 mm	25 m	1 Dispenser



X-LITE® STOCKINETTE

Round knitted stockinette in 100% non-bleached polypropylene. Soft and comfortable with an excellent ability to transport moisture away from the skin. The stockinette is ribbed which gives a good fit.

Item No.	Colour	Width	Length	Package
64401 0001	White	30 mm	10 m	1 Roll
64411 0002	White	50 mm	10 m	1 Roll
64421 0003	White	70 mm	10 m	1 Roll
64431 0004	White	100 mm	10 m	1 Roll
64441 0006	White	150 mm	10 m	1 Roll
64442 0008	White	200 mm	10 m	1 Roll



STOCKINETTE PADDING

X-LITE® Stockinette Padding is a water resistant stockinette and padding in one product, which effectively protects the skin while wearing a splint or a cast. The patient can shower or go for a swim without concern that the bandage stays wet for a longer period*. The tubular knitted stockinette is made from polyester yarn with added Aerosilver fibres. They have an antibacterial function that reduces growth of odour causing germs, which usually occurs when wearing a cast.

Item No.	Colour	Width	Length	Package
64444 0000	White	5 cm	10 m	1 Dispenser
64445 0000	White	7,5 cm	10 m	1 Dispenser
64446 0000	White	10 cm	10 m	1 Dispenser



*We recommend drying the Stockinette for 10 min. with a hairdryer on cold air if wet.



X-LITE® FOAM

This under-cast padding made out of foam is developed for the X-LITE® range of products. It is slightly water repellent and ventilated. It gives a good suspension which last over time.

Item No.	Colour	Width	Length	Package
64480 0003	White	75 mm	2,75 m	20 Rolls
64485 0000	White	100 mm	2,75 m	16 Rolls
64490 0005	White	125 mm	2,75 m	10 Rolls



X-LITE® FINISHING/EDGING TAPE

X-LITE® Edging Tape is designed to cover the edges on a splint for a soft and comfortable finish. It is heated in a few seconds in the waterbath and bonds instantly on all X-LITE® and 3D-LITE™ material.

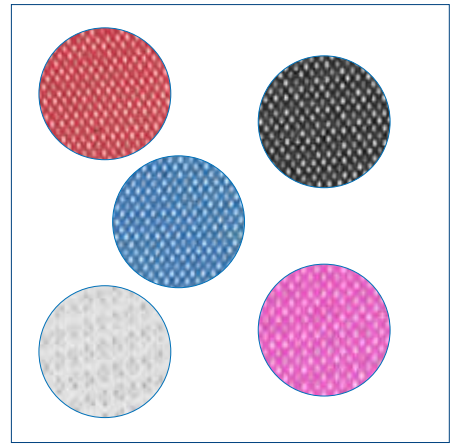
Item No.	Colour	Width	Length	Package
64185 0000	White	18 mm	7,5 m	1 Dispenser
64180 0000	White	25 mm	7,5 m	1 Dispenser
64190 0000	White	50 mm	7,5 m	1 Dispenser
64187 0000	White	25 mm	50 cm	50 Sheets



X-LITE® PLUS EDGING TAPE

X-LITE® PLUS Edging tape gives a neat finish to the splint and secures a soft edge. It offers extra stability to the splint since it is made from our splinting material X-LITE® PLUS. It works very well with all our materials including 3D-LITE™. Heat in 70° C warm water.

Item No.	Colour	Width	Length	Package
64235 0000	White	25 mm	4 m	Dispenser box
64236 0000	Red	25 mm	4 m	Dispenser box
64237 0000	Blue	25 mm	4 m	Dispenser box
64238 0000	Black	25 mm	4 m	Dispenser box
64239 0000	Hot Pink	25 mm	4 m	Dispenser box



3D-SAFE

3D-SAFE is a self-adhesive soft foam that adheres easily to 3D-LITE™ and leaves a soft edge around your splint.

Item No.	Colour	Width	Thickness	Length	Package
64200 0000	White	40 mm	3 mm	10 m	1 Roll





X-LITE® THERMOPLASTIC HOOK

An easy solution to attach your pile closure straps to your splint or brace. Bonded to the back of the "hook" is the same cotton gauze used in the Finishing/Edging Tape which bonds instantly and permanently on all our materials.

Item No.	Colour	Width	Length	Package
64195 0000	White	50 mm	50 cm	5 Sheets
64196 0000	White	50 mm	5 m	1 Dispenser
64197 0000	Black	50 mm	50 cm	5 Sheets
64198 0000	Black	50 mm	5 m	1 Dispenser



MIKROFIX

Self-adhesive Hook and Loop. Both ultra-thin, strong and high quality. The Hook material has very short hooks which does not tear unnecessarily and gives the patient greater comfort.

Item No.	Description	Colour	Width	Length
25040 0000	Mikrofix, hook	Transparent	50 mm	25 m
25041 0000	Mikrofix, hook	Black	50 mm	25 m
25042 0000	Mikrofix, loop	White	50 mm	25 m
25043 0000	Mikrofix, loop	Black	50 mm	25 m

SOFT AFO STRAPPING

High-quality double woven strapping material for any of your orthosis strapping needs. Slightly elasticated for increased flexibility.

Item No.	Colour	Width	Length
25060 0000	Black	40 mm	10 m
25061 0000	Black	50 mm	10 m



COMFORT LOOP, ELASTIC

Elastic Loop in extra thick quality. Extremely soft with rounded edges for long-term patient comfort.

Item No.	Colour	Width	Length
25030 0019	White	19 mm	4,5 m
25030 0025	White	25 mm	4,5 m
25030 0050	White	50 mm	4,5 m



SELF-ADHESIVE HOOK STANDARD

Strong, long-lasting Hook with adhesive back. Works with all our Loop products.

Comes in White, Beige and Black in different widths.

Other: ECO-TEX Class 2.

Item No.	Description	Colour	Width	Length
25024 1020	Hook	White	20 mm	25 m
25024 1025	Hook	White	25 mm	25 m
25024 1050	Hook	White	50 mm	25 m
25025 1025	Hook	Beige	25 mm	25 m
25028 1050	Hook	Black	50 mm	25 m





LOOP STANDARD

Soft Loop with sewn edges. Works with all our Hook products.
Comes in White, Beige and Black in different widths.
Other: ECO-TEX Class 2.

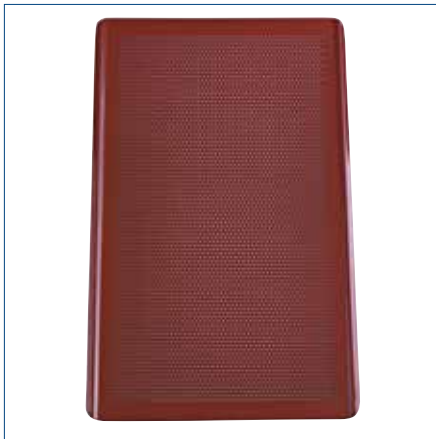
Item No.	Description	Colour	Width	Length
25020 2025	Loop	White	25 mm	25 m
25020 2050	Loop	White	50 mm	25 m
25021 2025	Loop	Beige	25 mm	25 m
25021 2050	Loop	Beige	50 mm	25 m
25027 2025	Loop	Black	25 mm	25 m
25027 2050	Loop	Black	50 mm	25 m



ELASTIC LOOP STANDARD

Soft elastic Loop with sewn edges.
Works with all our Hook products.
Comes in White and Beige in different widths.
Other: ECO-TEX Class 2.

Item No.	Description	Colour	Width	Length
250222030	Loop, Elastic	White	30 mm	10 m
250222050	Loop, Elastic	White	50 mm	10 m
250232030	Loop, Elastic	Beige	30 mm	10 m
250232050	Loop, Elastic	Beige	50 mm	10 m



X-LITE® PLATE COATED WITH SILICONE

The plate can be used as a support at the workstation. The silicone coating prevents the X-LITE® from adhering against the surface and the plate can be placed on top of a towel to soak up excess water.

Item No.	Width	Length
64811 0000	325 mm	530 mm



Support for Better Life!



allard | **uk**

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