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Thermoplastic 2018 - 2019

www.allardusa.com





Table of Contents

■ Materials

X-LITE® Technology	3-5
X-LITE® PLUS	6
X-LITE® CLASSIC	7
X-LITE® PREMIUM	8
3D-LITE™	9

■ Fabrication Kits

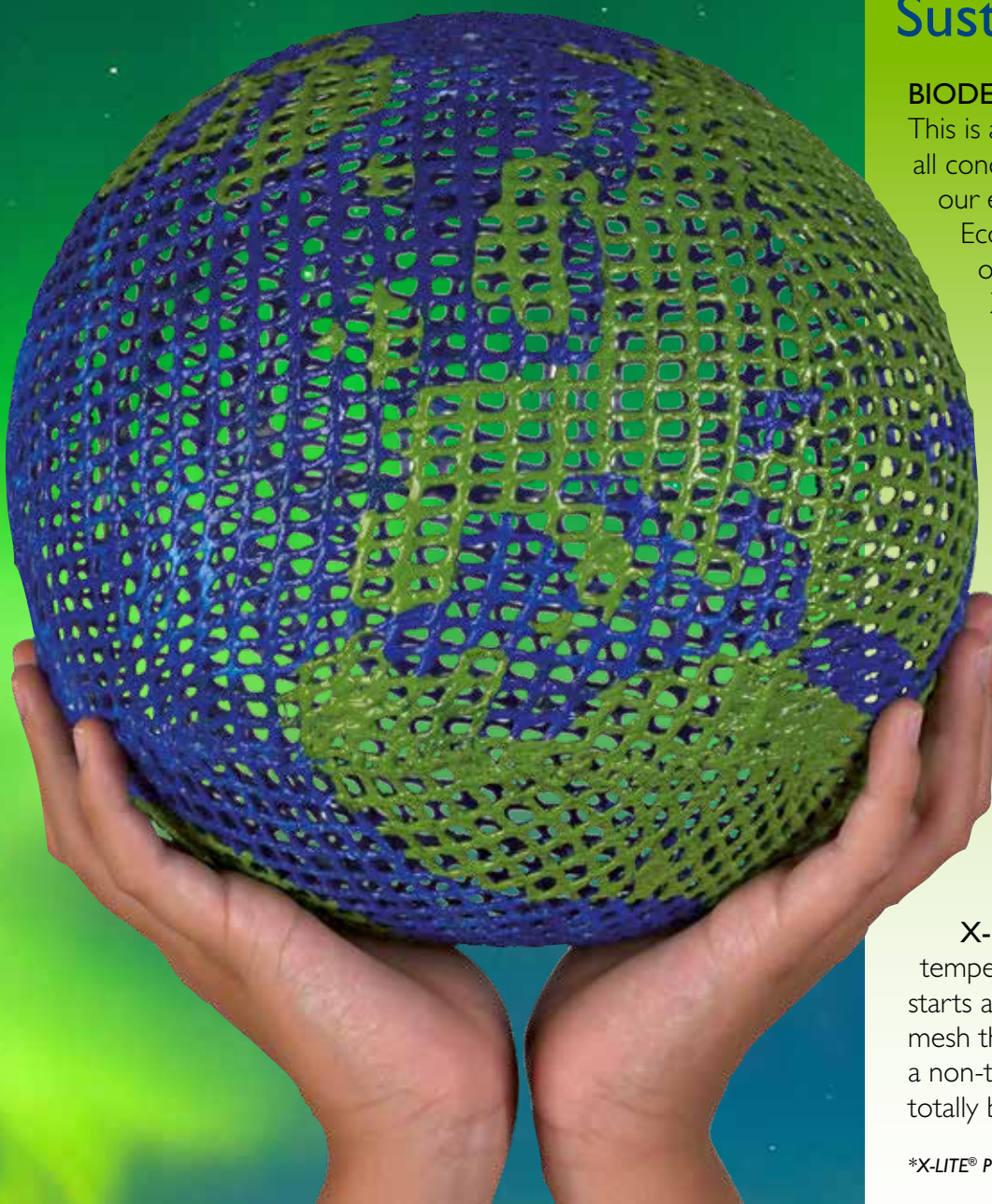
3D-LITE™ Cut-4-Custom LSO/TL SO	10-11
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■ Accessories

X-LITE® Stockinette	12
X-LITE® Edging Tape / 3D-SAFE	12 - 13
Silicone Edging	13
X-LITE® Thermoplastic Hook	13
MikroFix	14
Soft AFO Strapping	14
X-LITE® Plate	14



Low Temperature Thermoplastic Technology



Sustainability

BIODEGRADABLE

This is an important benefit for all concerned about the future of our environment. The Microbial Ecology Laboratory, University of Liege, Belgium, studied **X-LITE®** and stated: "...we are pleased to conclude: **X-LITE®** Thermoplastic Products are in full conformity with the French and U.S. standards for biodegradability."*

NON-TOXIC

The polymer in **X-LITE®** is fully reacted, which means it does not contain any of the residues in unreacted form, and therefore will not release such residues when applied or worn.

X-LITE® is the only low temperature thermoplastic, which starts as a 100% natural cotton mesh that is then impregnated with a non-toxic resin base, making it totally biodegradable.

*X-LITE® PLUS contains Polyester fabric.



Sustainability with X-LITE® Technology

X-LITE® 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

X-LITE® products 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®

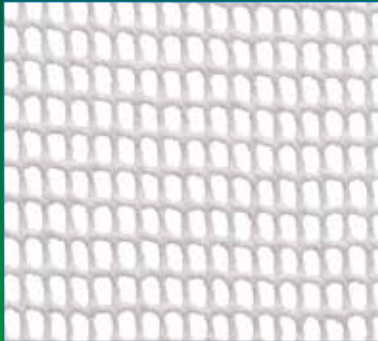
X-LITE® is an airy and lightweight fabrication material engineered to meet your splinting, bracing and casting demands. The material is made from a 100% cotton mesh that has been impregnated with a non-toxic thermoplastic resin. All reactive substances in the thermoplastic have been cured, which means it does not contain any residues in unreacted form. This gives you a NON-Toxic and Environmental friendly material – EcoCast.

Our 3D-LITE® material shares the benefits of the X-LITE® but the base is a 3-Dimensional Polyester fabric. 3D-LITE® is a superior product for splinting and bracing and it also comes as a pre-cut for an individual fitted corset. Since our products are free from any Isocyanates and fiberglass, it is totally safe for you and your patient. Say goodbye to gloves, masks, dust, special ventilation and other precautions you might have to take today.



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 or heat gun.

Temperature and Working Time - Guidelines

X-LITE® Casting & Splinting Material

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

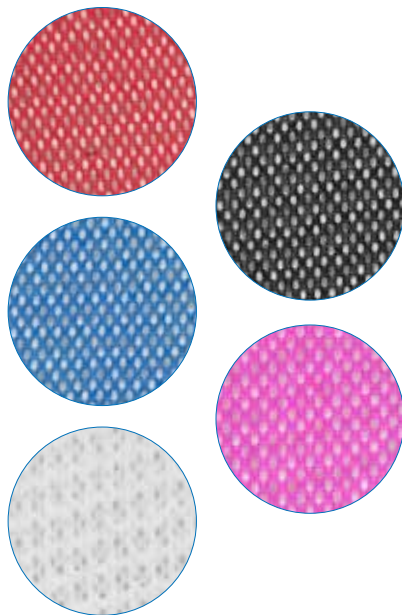
	Heating Time	Working Time	Load Bearing Time	Heat Source
X-LITE® Rolls	3 minutes	45-60 seconds	30 minutes	Waterbath
X-LITE® Sheets	1 minute	30-45 seconds	N/A	Waterbath
3D-LITE™	2 minutes	2-3 minutes	N/A	Heatgun/Oven (80°)
Edging Tape	10-15 seconds	15-20 seconds	N/A	Heatgun/waterbath
Thermoplastic Hook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

All materials can be re-heated any number of times.

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

X-LITE® PLUS

X-LITE® PLUS is our newest material in the X-LITE® range. This 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 Therapists for splinting. It comes in rolls, sheets and dispensers. PLUS rolls have no separator. It forms quickly and easily, directly on the patient.



X-LITE® PLUS ROLLS, SHEETS, & DISPENSERS

Our newest material for casting and splinting. You can choose between rolls or sheets in 5 colors and 5 different widths. Sheets and dispenser boxes come in selected colors.

Item Number	Description	Dimension	Pkg Size
647010000	X-LITE PLUS, WHITE	1" X 2yds. (2.5cm x 1.8m)	5 ROLLS/PKG
647020000	X-LITE PLUS, WHITE	2" X 2yds. (5cm x 1.8m)	20 ROLLS/PKG
647030000	X-LITE PLUS, WHITE	3" X 2yds. (7.5cm x 1.8m)	20 ROLLS/PKG
647080000	X-LITE PLUS, WHITE	6" X 2yds. (15cm x 1.8m)	2 ROLLS/PKG
647110000	X-LITE PLUS, RED	1" X 2yds. (2.5cm x 1.8m)	5 ROLLS/PKG
647120000	X-LITE PLUS, RED	2" X 2yds. (5cm x 1.8m)	20 ROLLS/PKG
647130000	X-LITE PLUS, RED	3" X 2yds. (7.5cm x 1.8m)	20 ROLLS/PKG
647180000	X-LITE PLUS, RED	6" X 2yds. (15cm x 1.8m)	2 ROLLS/PKG
647210000	X-LITE PLUS, BLUE	1" X 2yds. (2.5cm x 1.8m)	5 ROLLS/PKG
647220000	X-LITE PLUS, BLUE	2" X 2yds. (5cm x 1.8m)	20 ROLLS/PKG
647230000	X-LITE PLUS, BLUE	3" X 2yds. (7.5cm x 1.8m)	20 ROLLS/PKG
647280000	X-LITE PLUS, BLUE	6" X 2yds. (15cm x 1.8m)	2 ROLLS/PKG
647310000	X-LITE PLUS, BLACK	1" X 2yds. (2.5cm x 1.8m)	5 ROLLS/PKG
647320000	X-LITE PLUS, BLACK	2" X 2yds. (5cm x 1.8m)	20 ROLLS/PKG
647330000	X-LITE PLUS, BLACK	3" X 2yds. (7.5cm x 1.8m)	20 ROLLS/PKG
647380000	X-LITE PLUS, BLACK	6" X 2yds. (15cm x 1.8m)	2 ROLLS/PKG
647410000	X-LITE PLUS, HOT PINK	1" X 2yds. (2.5cm x 1.8m)	5 ROLLS/PKG
647420000	X-LITE PLUS, HOT PINK	2" X 2yds. (5cm x 1.8m)	20 ROLLS/PKG
647430000	X-LITE PLUS, HOT PINK	3" X 2yds. (7.5cm x 1.8m)	20 ROLLS/PKG
647480000	X-LITE PLUS, HOT PINK	6" X 2yds. (15cm x 1.8m)	2 ROLLS/PKG
647530000	X-LITE PLUS, BLUE	8" X 14 3/4" (20cm x 37.5cm)	8 SHEETS/PKG
647540000	X-LITE PLUS, BLACK	8" X 14 3/4" (20cm x 37.5cm)	8 SHEETS/PKG
647900000	X-LITE PLUS DISPENSER, RED	6" X 33' (15cm x 10m)	DISPENSER BOX
647910000	X-LITE PLUS DISPENSER, BLUE	6" X 33' (15cm x 10m)	DISPENSER BOX
647920000	X-LITE PLUS DISPENSER, BLACK	6" X 33' (15cm x 10m)	DISPENSER BOX
647930000	X-LITE PLUS DISPENSER, HOT PINK	6" X 33' (15cm x 10m)	DISPENSER BOX

X-LITE® CLASSIC

X-LITE® CLASSIC is our original material. 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 rolls, sheets, & dispensers. 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. Choose between rolls or sheets in predetermined practical sizes, or 33' (10m) in a dispenser box.

Item Number	Description	Dimension	Pkg Size
641620000	X-LITE CLASSIC CAST ROLLS, WHITE	6" X 2yds (15cm x 180cm)	5 ROLLS/PKG
641030002	X-LITE CLASSIC CAST ROLLS, WHITE	2" X 2yds (5cm x 180cm)	20 ROLLS/PKG
641330003	X-LITE CLASSIC CAST ROLLS, WHITE	3" X 2yds (7.5cm x 180cm)	20 ROLLS/PKG
642980018	X-LITE CLASSIC CAST SHEETS, WHITE	18" X 20" (45cm x 50cm)	10 SHEETS/PKG
642500000	X-LITE CLASSIC DISPENSER, WHITE	3" X 33' (7.5cm x 10m)	DISPENSER BOX
642520000	X-LITE CLASSIC DISPENSER, WHITE	6" X 33' (15cm x 10m)	DISPENSER BOX
642530000	X-LITE CLASSIC DISPENSER, WHITE	8" X 33' (20cm x 10m)	DISPENSER BOX



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 a dispenser box. The roll has a plastic separator you remove during the working process.



X-LITE® PREMIUM SPLINTING DISPENSERS

Our most conformable material for casting. Comes in dispenser box.

Item Number	Description	Dimension	Pkg Size
642270000	X-LITE PREMIUM DISPENSER, BEIGE	6" X 33' (15cm x 10m)	DISPENSER BOX
642280000	X-LITE PREMIUM DISPENSER, BEIGE	8" X 33' (20cm x 10m)	DISPENSER BOX



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 Number	Description	Dimension	Pkg Size
649010000	3D-LITE 7MM BEIGE	24" X 36" (60cm x 90cm)	I SHT/PKG
648970000	3D-LITE 3MM BEIGE	24" X 36" (60cm x 90cm)	I SHT/PKG
648980000	3D-LITE 5MM BEIGE	24" X 24" (60cm x 60cm)	I SHT/PKG
648990000	3D-LITE 5MM BEIGE	24" X 36" (60cm x 90cm)	I SHT/PKG

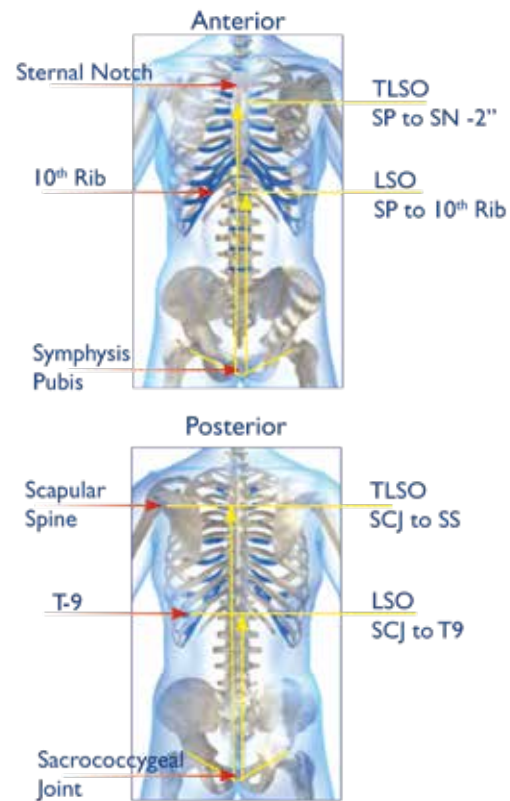
CUT-4-CUSTOM LSO & TLSO

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 strengths.



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:

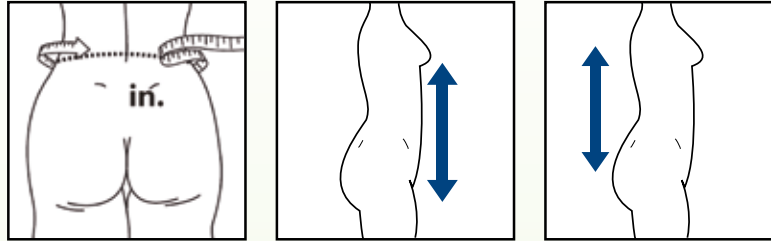
- Pre-cut panels are sold separately and are interchangeable.
- Panels may be re-heated, flattened, and re-shaped.
- Optional liners provide a soft interface between brace and skin, add an attractive appearance, and are washable.
- Cools and becomes a rigid LSO or TLSO in approximately 15-20 minutes.

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.



	size	C4C Panel		Circumference CM		Max Height		Liner	
		Anterior Item No.	Posterior Item No.	min	max	Anterior cm	Posterior cm	Anterior Item No.	Posterior 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

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

Item No.	Colour	Width	Length
644010001	STOCKINETTE,WHITE	1 1/8" X 33' (3cm x 10m)	1 ROLL/PKG
644110002	STOCKINETTE,WHITE	2" X 33' (5cm x 10m)	1 ROLL/PKG
644210003	STOCKINETTE,WHITE	2 3/4" X 33' (7cm x 10m)	1 ROLL/PKG
644310004	STOCKINETTE,WHITE	4" X 33' (10cm x 10m)	1 ROLL/PKG



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 water-bath and bonds instantly on all X-LITE® and 3D-LITE™ material.

Item Number	Description	Dimension	Pkg Size
641800000	X-LITE EDGING TAPE	1in X 25ft (2.5cm x 7.5cm)	DISPENSER BOX

3D-SAFE SELF ADHESIVE FOAM EDGING

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

Item Number	Description	Dimension	Pkg Size
642000000	3D-SAFE SELF ADHESIVE FOAM EDGING	3mm X 40mm X 10m	1 ROLL/PKG



SILICONE EDGING FOR CUT-4-CUSTOM

Silicone Casing-type edging is an edging material for 3D-LITE™ made of clear silicone. You will find it on our precut Cut-4-Custom Corsets. We recommend it is adhered with Dow Corning 732 adhesive (sold separately).

Item Number	Description	Dimension	Pkg Size
649360000	5MM SILICONE EDGING FOR CUT-4-CUSTOM	11 yds (10m)	
649370000	7MM SILICONE EDGING FOR CUT-4-CUSTOM	11 yds (10m)	
649380000	MULTI-PURPOSE SEALANT	139 ML TUBE	1 TUBE



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 Number	Description	Dimension	Pkg Size
641960000	X-LITE THERMOPLASTIC HOOK	2in X 5 yds (5cm x 50cm)	DISPENSER BOX





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 Number	Description	Dimension	Pkg Size
250400000	MIKROFIX HOOK WHITE, SELF ADHESIVE	2" X 27 yds (5cm x 25m)	1 ROLL/ PKG
250410000	MIKROFIX HOOK BLACK, SELF ADHESIVE	2" X 27 yds (5cm x 25m)	1 ROLL/ PKG



SOFT AFO STRAPPING

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

Item Number	Description	Dimension	Pkg Size
250600000	SOFT AFO STRAP	1 ½" X 32.8'	1 ROLL/PKG
250610000	SOFT AFO STRAP	2" X 32.8'	1 ROLL/PKG



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 Number	Description	Dimension	Pkg Size
648110000	SILICONE COATED PLATE	12.75" X 20" (32.5cm x 53cm)	1 PLATE





Support for Better Life!

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