



# High Performance Outdoor Fabric

From the blistering sun of the Australian outback to the soaking rains of the Brazilian rain forests, nothing handles the changing moods of Mother Nature better than WeatherMAX.®

WeatherMAX is the utility infielder of outdoor fabrics. It performs great in whatever application you put it, whether you need high strength, lightweight, superior water resistance or high breathability. This patented fabric is unmatched with its overall performance, durability, protection level and ease of handling.

Don't let its attractive appearance and ease of handling obscure the fact—this is one of the strongest outdoor fabrics available. The exclusive SaturaMax+ fiber is the backbone of our patented WeatherMAX fabric and combined with its unique weave and new advanced HydroMax+ breathable storm resistant finish, WeatherMAX is even better than before.



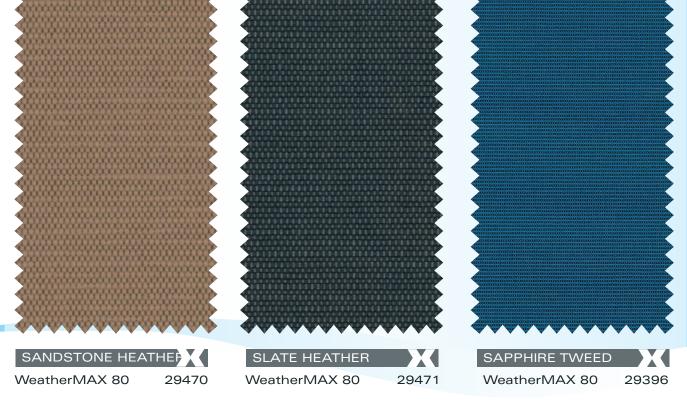




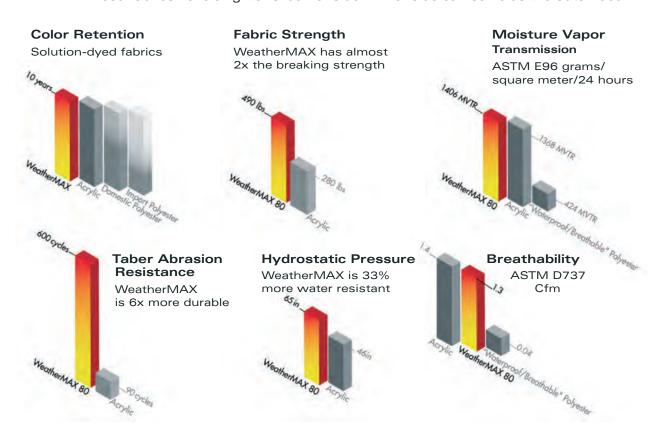
W: Denotes 80" wide goods. \*Denotes 3-year limited warranty.

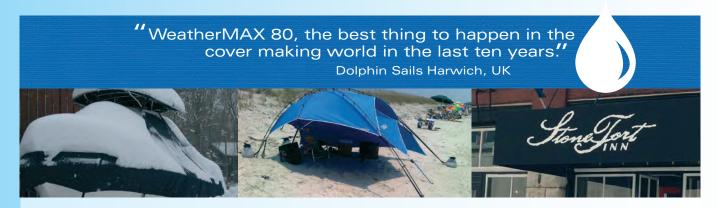
WeatherMAX FR FR342





Tweed fabrics have a lighter & darker side. Either side can serve as the outer face.





#### WeatherMAX® 80

Super high strength and durability combine with long-term colour retention to deliver a truly versatile outdoor fabric for a variety of applications. The industry's most balanced and cost-effective fabric available for marine covers and tops, awnings, or other outdoor applications requiring outstanding durability, higher water repellence and excellent breathability.

#### 5-Year Limited Warranty

(excludes Scarlet, True Red, White and Oyster fabrics, which feature a 3-year limited warranty).

#### WeatherMAX® LT

High strength and the same inherent fade resistant properties found in our WeatherMAX 80 fabric, all packed into a true lighter weight fabric. The perfect choice for patio furniture covers, equestrian covers, or other applications where lightweight and ease of packing offer an advantage.

#### **3-Year Limited Warranty**

#### WeatherMAX® FR

The proven performance of our innovative WeatherMAX 80 fabric combined with flame resistance properties that meet or exceed the most stringent requirements. WeatherMAX FR is ideally suited for awnings, tents, or any outdoor application requiring resistance to heat and flames, long-term colour retention and superior protection from the elements.

#### 5-Year Limited Warranty

(excludes True Red fabrics which feature a 3-year limited warranty).



Properties	Weather <b>MAX 80</b>	Weather <b>MAX LT</b>	Weather <b>MAX</b> FR
Fabric Weight	8.0 oz/yd² (271 g/m²)	6.5 oz/yd <sup>2</sup> (220 g/m <sup>2</sup> )	9.75 oz/yd <sup>2</sup> (330 g/m <sup>2</sup> )
Thickness	0.41 mm	0.31 mm	0.44 mm
Width-Fused Edge	60 in (152 cm)	60 in (152 cm)	60 in (152 cm)
Put Up	75 yards (69 meters)	100 yards (91 meters)	65 yards (59 meters)
Tensile Strength ASTM D5034 (warp x fill/lbs.)	490 × 392	430 × 270	460 × 360
Mullen Burst ASTM D3786 (psi)	420	292	393
Tongue Tear ASTM D2261 (warp x fill/lbs.)	20 × 18	15 × 10	13 × 15
Hydrostatic Pressure AATCC 127 (cm)	65	42	90+
Rain Test 2 minutes/600 mm	0.007	0.023	0.00
Spray Rating AATCC 22	100	100	100
Air Permeability Moisture Vapor Transmission (ASTM E96 Procedure B - Open Cup) 1406 g / m2 / 24 hours ASTM D737 (cfm)	1.3	1.5	0.2
Cold Crack 40°/ASTM D1912	Pass	Pass	Pass
UPF (Ultraviolet Factor)	50+	50+	50+
UVA & UVB (Ultraviolet Blockage)	Over 99%	Over 99%	Over 99%
Color Fastness to Light AATCC 169 option 1 (1500 hours: scale 1 - 5)	4 - 5	4 - 5	4 - 5
Bundesmann Rating Water Repellency (grand 1-5) Water Absorption	5 3.2%	5 3.2%	5 3.2%

#### **Specifications**

Made with solution-dyed SaturaMax®. Finished with exclusive HydroMax technology for water, dirt and mildew resistance. WeatherMAX® is also available as WeatherMAX FR for flame retardant applications to meet CSFM T19, CPAI-84, NFPA701, CAN/ULC-S109, FMVSS 302 and ASTM-E84 Class A.

#### **Care Instructions**

WeatherMAX fabrics may be spot washed by using a soapy solution of a mild detergent and lukewarm water. Rinse thoroughly with clean water to remove soap and allow to air dry. For mildew stains, prepare a solution of (1) cup bleach plus (½) cup of mild detergent per gallon of water. Spray on the entire area and allow soaking. Rinse with clean water and allow to air dry.

#### WeatherMAX Warranty

The limited warranty covers only the fabric being unserviceable because of loss of strength and/or colour from normal conditions of exposure. That includes sunlight, mildew and atmospheric chemicals. Labour and installation supplied by the fabricator and/or installer are not covered. The consumer is responsible for normal care, cleaning and maintenance of the fabric.

- \*The warranty runs for 5 years from the date of original purchase for WeatherMAX 80 fabrics.

  Excludes Oyster, Scarlet, True Red and White fabrics which feature a 3-year limited warranty.
- \*The warranty runs for 5 years from the date of original purchase for WeatherMAX FR fabrics. Excludes True Red fabrics which feature a 3-year limited warranty.
- ☀The warranty runs for 3 years from the date of original purchase for WeatherMAX LT fabrics.
- ☀We will supply new fabric, free of charge, to replace the unserviceable fabric.
- \*Call your dealer who will contact us to request fabric replacement.
- \*A valid copy of the original invoice, showing date of purchase, is required for fabric replacement.

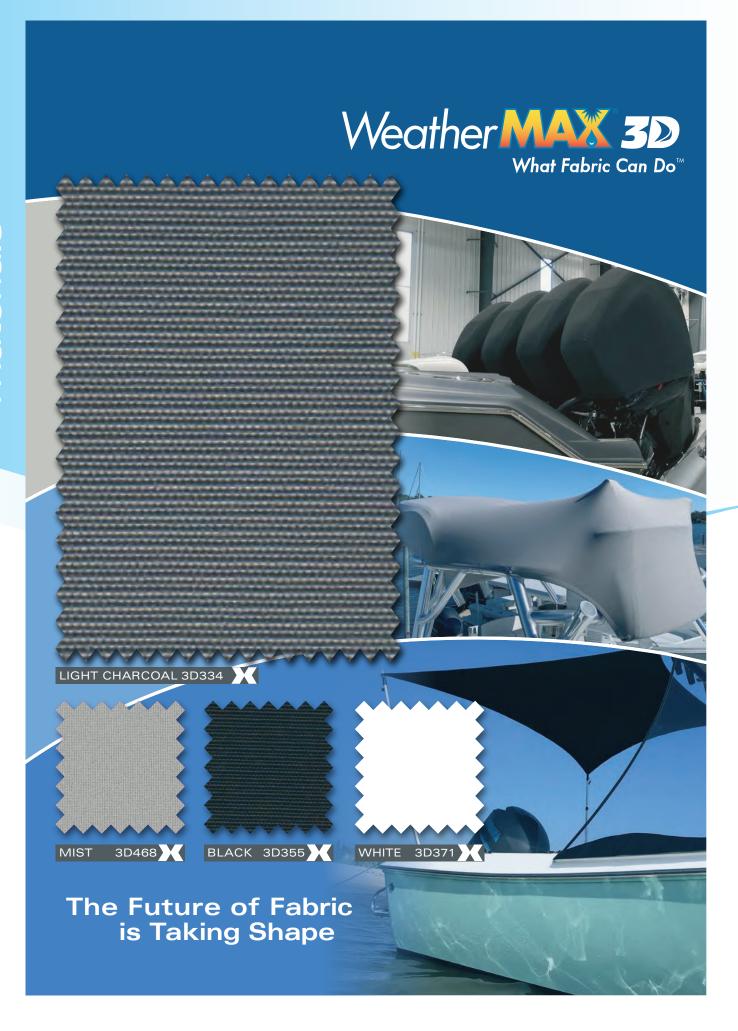
#### WeatherMAX FR Australian Certification

Methods for Fire Tests on Building Materials, Components and Structures.

AS 1530.2-1993 Part 2: Test for Flammability of Materials AS/NZS 1530.3-1999 Methods for Fire Tests on Building Materials, Components and Structures

AS 1530.3-1993 Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release.







Introducing WeatherMAX 3D, the newest addition to our outdoor fabric line. WeatherMAX 3D utilizes the same fibre technology that has powered WeatherMAX fabrics to be durable with long-term UV and fade resistance. However, conventional marine fabrics are inherently dimensionally stable and therefore only move on two axes, causing significant problems in fitting difficult patterns or forms. The unique construction of WeatherMAX 3D produces high levels of elasticity to provide flexibility in three dimensions and form-fit virtually anything now and in the future.

Under tension WeatherMAX 3D stretches up to 20% and when tension is released it contracts to its original size.

WeatherMAX 3D offers enhanced UV protection, water resistance, breathability and will form to fit any outdoor canvas imaginable. WeatherMAX 3D is soft and pliable, yet it is highly resistant to rips, tears and abrasion. WeatherMAX 3D is ideal for yacht sun shades, protective engine or seat covers or any application that demands outdoor durability and elasticity. While WeatherMAX 3D offers water shedding properties it is not intended to provide the same level of water resistance as our WeatherMAX 80 fabric.

#### Care Instructions

WeatherMAX fabrics may be spot washed using a soapy solution of a mild detergent and lukewarm water. Rinse thoroughly with clean water to remove soap and allow to air dry. For mildew stains, prepare a solution of (1) cup bleach plus (½) cup of mild detergent per gallon of water. Spray on the entire area and allow soaking. Rinse with clean water and allow to air dry.

#### WeatherMAX 3D Warranty

The limited warranty covers only the fabric being unserviceable because of loss of strength and/or colour from normal conditions of exposure. That includes sunlight, mildew and atmospheric chemicals. Labour and installation supplied by the fabricator and/or installer are not covered. The consumer is responsible for normal care, cleaning and maintenance of the fabric.

- \* The warranty runs for 5 years from the date of original purchase for WeatherMAX 3D.
- \*We will supply new fabric, free of charge, to replace the unserviceable fabric.
- \* Call your dealer who will contact us to request fabric replacement.
- \* A valid copy of the original invoice, showing date of purchase, is required for fabric replacement.

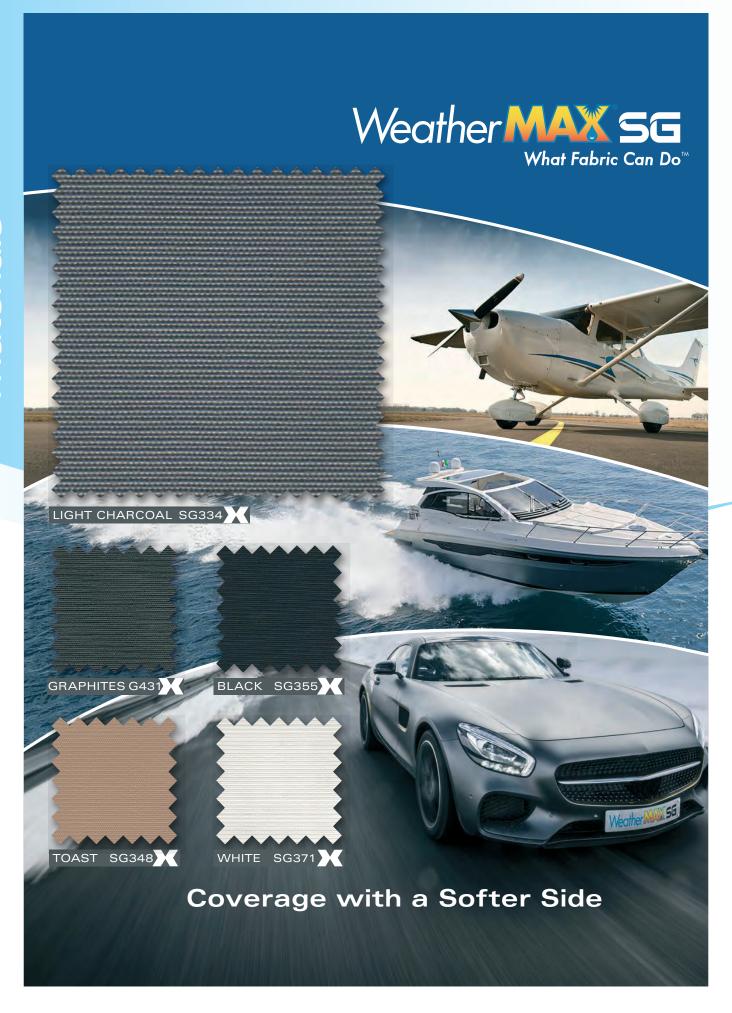
#### **Properties**

Weight ASTM D3776 (oz/yd²)	7.2
Put Up (yds.)	75
Width Selvedge Edge (in.)	61-62
Tensile Strength ASTM D5034 (lbs.)	W × F 225 × 290
Stretch (percent)	W × F 12 × 20
Tongue Tear ASTM D4533 (lbs.)	W × F 30 × 20
Recovery BS 4294:1968 - 3kg (%)	L × W 100 × 100
Spray Rating AATCC 22 (scale)	100
Hydrostatic Test AATCC 127 (in.)	15
Colorfastness to Light AATCC 169 (grade 1 - 5) (1500 accelerated hours)	4 - 5
Breathability Test ASTM D 737 (125pa)	42

#### **Specifications**

- Made of 100% SaturaMax® for ultra-high UV resistance.
- Finished with DWR (no coating)
- \* Made in U.S.A.







WeatherMAX SG (Surface Guard) is the latest addition to our outdoor fabric line. WeatherMAX SG starts with the worldwide proven performance and durability of solution-dyed WeatherMAX 80 with an added soft backing to provide an extra level of scratch and scuff resistance for highend surfaces.

Most soft-backed outdoor fabrics use an inexpensive needle-punch polyester, which creates a felt-like soft backing but also collects and holds dirt and contaminants that can cause scratching. These low-cost backings also absorb and hold water, creating a multitude of issues. WeatherMAX SG uses a flannel-like backing. While it is more expensive, it is less bulky and does not entangle contaminants like a needle-punched polyester.

What makes WeatherMAX SG unique is that it brings the high water resistance combined with real breathability for which WeatherMAX 80 is known. Our unique processes for laminating maintains the ideal balance. We even take the extra step of applying our HydroMax finish to both sides of the composite fabric, further enhancing the water shedding capabilities of the fabric.

#### **Care Instructions**

WeatherMAX fabrics may be spot washed using a soapy solution of a mild detergent and lukewarm water. Rinse thoroughly with clean water to remove soap and allow to air dry. For mildew stains, prepare a solution of (1) cup bleach plus (½) cup of mild detergent per gallon of water. Spray on the entire area and allow soaking. Rinse with clean water and allow to air dry.

#### WeatherMAX SG Warranty

The limited warranty covers only the fabric being unserviceable because of loss of strength and/or colour from normal conditions of exposure. That includes sunlight, mildew and atmospheric chemicals. Labour and installation supplied by the fabricator and/or installer are not covered. The consumer is responsible for normal care, cleaning and maintenance of the fabric.

- \*The warranty runs for 5 years from the date of original purchase for WeatherMAX SG.
- We will supply new fabric, free of charge, to replace the unserviceable fabric.
- \* Call your dealer who will contact us to request fabric replacement.
- \* A valid copy of the original invoice, showing date of purchase, is required for fabric replacement.

#### **Properties**

•	
<b>Weight</b> ASTM D3776 (oz/yd²)	10.5
<b>Tensile Strength</b> ASTM D5034 (lbs.)	W × F 605 × 452
Tongue Tear ASTM D4533 (lbs.)	W × F 18 × 20
Spray Rating AATCC 22 (scale)	100
Hydrostatic Test AATCC 127 (in.)	48
Water Repellency AATCC DuPont (grade 1-6)	6
Oil Repellency AATCC 118-1983 (grade 1-6)	4
Colorfastness to Light (no file AATCC 169 (grade) (1500 accelerated hours)	ters) 4 - 5
UPF(Ultraviolet Protection Fac AATCC 183 (score)	tor) 50+
UVA & UVB (Ultraviolet Blockage) AATCC 183	Over 99%

#### **Specifications**

- Made in U.S.A.
- \* Roll Size: 54.8m
- \* Width: 155cm slit
- \* Meets California Proposition 65





### hardware catalogue 2021

#### WeatherMAX PSA & WeatherMAX LT PSA

Contender has produced a self adhesive UV strip from WeatherMAX LT and WeatherMAX 80 White giving it the colour fastness and durability of WeatherMAX. The WeatherMAX LT is available in five colours (White, Light Charcoal, Pacific Blue, Captain Navy and Black) and sold by the metre for optimum usage without waste.

WeatherMAX LT PSA is ideal for privately owned yachts up to 50' where protection from the UV and a smooth leech is the important criteria. For larger yachts and commercial applications such as charter boats, we recommend WeatherMAX 80 PSA White where protection from the UV and the ultimate abrasion resistance is the important criteria. Roll width is 152cm and length is 32m.

Part No	Descpription	Width
WMAX80PSAWHITE	WeatherMAX 80 PSA White	152 cm
WMAXLTPSAWHITE	WeatherMAX LT PSA White	152 cm
WMAXLTPSALTCHAR	WeatherMAX LT PSA Light Charcoal	152 cm
WMAXLTPSAPACBLUE	WeatherMAX LT PSA Pacific Blue	152 cm
WMAXLTPSACAPNAVY	WeatherMAX LT PSA Captain Navy	152 cm
WMAXLTPSABLACK	WeatherMAX LT PSA Black	152 cm



Our Bias Binding utilizes the unique qualities of the WeatherMAX 80 to produce the best bias binding available. It is 44mm wide WeatherMAX 80 folded and fused to 22mm 7/8" finished width. Its fantastic abrasion resistance and superb colour retention make this Bias Binding suitable for all applications and will out perform all others. A Suisei binder is available for ease of production and a truly professional finish. Sold per roll. Rolls are between 50-100m long. Bias Binding is available in the full WeatherMAX 80 colour range. Please specify the desired colour when ordering.

Part No	Description
WMAXBB+COLOUR	WeatherMAX 80 22mm bias binding
WMAXBINDER-22MM	Suisei Binder for WeatherMAX 22mm bias binding
WMAXBINDER-25MM	Suisei Binder for 25mm bias binding

#### WeatherMax Soft Touch

WeatherMAX Soft Touch is a low alternative to the SG using a Polyester Needle Punch backing. We laminate this in Sydney and it can be supplied in any WeatherMAX colour. Minimal order is 20 metres.

Part No	Description	Width
WMAXST80+COLOUR	WeatherMAX 80 Soft Touch	152 cm



Suisei Binder





BRS Offroad is an Australian owned and made high end off-road camper trailer manufacturer who choose WeatherMAX 80 for their annexes and awnings.



Slides & Cars

Head/Clew Bds.

Hardware

## CONTENDER SAILCLOTH®

Ask for A4 size sample book







200 cm / 78" wide



Tel: +61 (02) 9997 4099 Free Call: 1800 252 368 Fax: +61 (02) 9997 1292

#### **Contender Mesh**

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Part No	Description	Weight	Width in cm	Roll mtrs	
CRLENO	Black Leno mesh 100% Nylon Super Strong (Uncoated)	270g/m	150cm	45.72	
CRBLACK76	Black Super Smooth trampoline mesh	290g/m	190cm	100	
CRGREY76	Grey Super Smooth trampoline mesh	290g/m	190cm	100	
F492-8100	White Ferrari Trampoline Mesh	1000g/m	180cm	50	
CRSUPER	Grey Superscreen 105 Trampoline Mesh	530g/m	187cm	50	



F492-8100





CRGREY76



CRBLACK76

CRSUPER

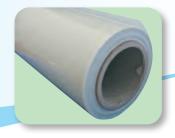
CRLENO BLACK LENO MESH

Brand	Weight	Tensile	Tear	Elongation W	Varranty	Lacquer
Ferrari SF492	1050gsm	5000/5000 N/5cm	180/180 daN	precontraint	10	S2 weldable PDVF
Superscreen 105	530gsm	3756/4083 N/5cm	1010 x 1150 N	23%/25%	5	PVC Coated Polyester

#### Opaque Mylar® Pattern Material

Quality Mylar® pattern material.

Part No	Description	Width in mm	Roll mtrs	
HCYPAT	190 Micron mylar® opaque	1700mm	40	



#### **Window Material**

Part No	Description	Width
CAX30	Reinforced Mono film 3MIL. Made in USA. Suitable for Dinghy sails.	153cm
CAX40	Reinforced Mono film 4MIL. Made in USA. Suitable for Dinghy sails.	137cm





AX40

#### Captain Insignia Fabric on 45.72 metre rolls

Adhesive backed polyester fabric for numbers, letters, tapes and graphic designs.

Part No	Colour	Width
CD3000 CAP	White	54" / 137 cm
CD3008 CAP	Black	54" / 137 cm
CD3002 CAP	Blue	54" / 137 cm
CD3001 CAP	Red	54" / 137 cm
CD3004 CAP	Yellow	54" / 137 cm
CD3009 CAP	Grey	54" / 137 cm
CD3005 CAP	Green	54" / 137 cm
CD3016 CAP	Flouro Orange	54" / 137 cm



#### **UV Coated Adhesive Backed Insignia**

Our UV Coated Insignia is a versatile product. As well as being ideal for use with sail UV covers, the finish is ideal for Digital Printing solutions such as logos and branding. Imagine your brand on your Main! Contact us for a quote.

Part No	Descpription	Width/Roll	
CPUVUS 3.5	UV COATED INSIGNIA	135 cm / 45.72M	

## New

#### **Patch Engineering**

A new way to make spinnaker patches. New to our range of sailcloths, is full roll widths of SuperKote 90 and 150 with PSA (pressure sensitive adhesive) applied. Benefits for the sailmaker are superior permanent adhesion, faster to apply, no yellowing, smoother sail and better distribution of corner loads. Sold per metre.

Part No	Description	Colour	Width
CN12900-PSA	SuperKote 90	Natural *	150cm
CN11500SK-PSA	SuperKote 150	Natural *	150cm
HAD90100PSA	Double sided Seams	stick for All Purpose Patch Engineering	100cm / 10m

<sup>\*</sup>Other colours available, min order 100m.

#### **Reinforced Mono Film with PSA Backing**

Part No	Descpription	Width/Roll
CAX30PSA	Reinforced Mono film 3MIL. with Pressure Sensitive Adhesive.	150
	Made in USA. Suitable for Dinghy sails.	153cm / per metre

### **Bag Cloth 40 Denier Oxford Nylon**

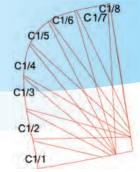
Available in the following colours :- Black, White, Yellow, Navy Blue, Green, Silver, Red. Rolls usually 100 metres.

Part No	Description	Colour	Width
CNB2500	Bagcloth 420 Denier Oxford Nylon	150cm	White
CNB2501	Bagcloth 420 Denier Oxford Nylon	150cm	Red
CNB2502	Bagcloth 420 Denier Oxford Nylon	150cm	Blue
CNB2504	Bagcloth 420 Denier Oxford Nylon	150cm	Yellow
CNB2505	Bagcloth 420 Denier Oxford Nylon	150cm	Green
CNB2508	Bagcloth 420 Denier Oxford Nylon	150cm	Black
CNB2509	Bagcloth 420 Denier Oxford Nylon	150cm	Silver





7oz TanBark sail with logos digitally printed on UV Insignia.



PATCH ENGINEERING

Tel: +61 (02) 9997 4099 Free Call: 1800 252 368 Fax: +61 (02) 9997 1292 orders@contender.com.au

A					
Acrylic Masacril	100	Corner Thimbles by Rutger	son 63	Leather	70
Adhesive Spray Glue	87	Cutters Hole	63	Leather Palms	71
Adhesive Tapes	68	Cutting Blades	72	Leech Batten Adjusters	30,33
Adjustable Receptacle	36	D		Leech Cover Materials UV	99,102
Adjustable Buckles	87	Dabond® Thread	77	Leech Line	86
Adjustable Clew Board	55	Dacron Insignia	101	Leech Line Blocks	59
All-Weather Writing Pad	88	Dacron Seamstick	88	Leech Line Cleats	65-66
Aluminium Racing Cleat	66	Dacron Tapes	69	Leno Black Mesh	101
Aluminium Rivets	58	Double Sided Tape	88,102	Letters - Pre Cut	68
Application Charts for Batten	s 2,16-17	Draft Stripes	68	Limousine Batten Cars	43
Awls	72	Dyneema Webbing	80	Liners Stainless Steel	57
В		E		Low Friction Rings	59
Bag Cloth	102	Edging Webbing	80	Loxx Fastening Solutions	83
Battcars – Rutgerson	38-45	Eglass Woven Sheets	29	Luff Foam	68
Batten Application Chart	2,16-17	Engel® Heat Cutter	72	Luff Line	86
Batten Coils	11-12	Eyelets - Nickel Plated	62	Luff Tape	70
Batten Connectors	32	F		Luff Tape Application Chart	70
Batten Endcaps - BlueStrea	k® 13-14	Fabrics - Boat Cover	89-94	Luminous Draft Stripes	68
Batten Endcaps - PNP	33	Fabrics – Insignia	101	M	
Batten Endcaps - RBS	29-31	Fabrics - Mesh	101	Machine Thread	73-79
Batten Endcaps - Round	14	Fabrics - Window	101	Mara Sewing Thread	75-76
Batten Endcaps -	00 04 07	Fasteners - Hook & Loop	82	Masacril Acrylic	100
	32, 34-37	Fasteners - Loxx	83	Maxi Rings	62
Batten Lengths - BlueStreak		Ferrari Mesh	101	MDS Slides	49
Batten Rods	12	Flag Clips	87	Mesh Drain Cloth & Trampo	
Battens - Bluestreak®	1-12	Foam - Closed Cell	68	Fabric	101
Battens - Carbon	28			Monofilm 1	01 - 102
Detters DDC	15.00	Folder – Tape	69		7.0
Battens - RBS	15-28	Folder – Tape <b>G</b>	69	Mushroom Head Push Pins	72
Battery Heat Cutter	72	_	69 65	Mushroom Head Push Pins Mylar Pattern Material	72 101
Battery Heat Cutter Blades - Olfa	72 72	G		Mushroom Head Push Pins Mylar Pattern Material	101
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot	72 72 t Knife 72	<b>G</b> GranSegel Cleats	65	Mushroom Head Push Pins Mylar Pattern Material N Needles	101 71
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks	72 72 t Knife 72 58-59	G GranSegel Cleats Grommets - Stimpson	65 62	Mushroom Head Push Pins Mylar Pattern Material  N  Needles Nickel Plated Grommets	101 71 62
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material	72 72 t Knife 72 58-59 89-94	G GranSegel Cleats Grommets - Stimpson Grommets Tools	65 62	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth	101 71 62 101
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope	72 72 tt Knife 72 58-59 89-94 86	G GranSegel Cleats Grommets - Stimpson Grommets Tools H	65 62 63	Mushroom Head Push Pins Mylar Pattern Material  N  Needles Nickel Plated Grommets Number Cloth Numbers	101 71 62 101 68
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material	72 72 t Knife 72 58-59 89-94	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced	65 62 63 71	Mushroom Head Push Pins Mylar Pattern Material  N  Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth	101 71 62 101
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope	72 72 tt Knife 72 58-59 89-94 86	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches	65 62 63 71 63	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O	101 71 62 101 68 102
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles	72 72 tt Knife 72 58-59 89-94 86	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread	65 62 63 71 63 77	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades	101 71 62 101 68 102
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles C	72 72 tt Knife 72 58-59 89-94 86 87	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks	65 62 63 71 63 77 67	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips	101 71 62 101 68 102 72 84
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia	72 72 t Knife 72 58-59 89-94 86 87	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards	65 62 63 71 63 77 67 50-55	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides	101 71 62 101 68 102
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick	72 72 t Knife 72 58-59 89-94 86 87	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters	65 62 63 71 63 77 67 50-55 63	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides P	101 71 62 101 68 102 72 84 49
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo®	72 72 tt Knife 72 58-59 89-94 86 87 101 88 67	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop	65 62 63 71 63 77 67 50-55 63 82	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides P Pad Eyes	101 71 62 101 68 102 72 84 49
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats	72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks	65 62 63 71 63 77 67 50-55 63 82 86-87 72	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing	101 71 62 101 68 102 72 84 49 63 71
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks	65 62 63 71 63 77 67 50-55 63 82 86-87	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Patch Engineering	101  71 62 101 68 102  72 84 49  63 71 102
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson	72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth Insignia Tapes	65 62 63 71 63 77 67 50-55 63 82 86-87 72	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Patch Engineering Pattern Material	101  71 62 101 68 102  72 84 49  63 71 102 101
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson Clewblocks	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49 58	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth	65 62 63 71 63 77 67 50-55 63 82 86-87 72	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Pattern Material Piston Hanks	101  71 62 101 68 102  72 84 49  63 71 102 101 67
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hot Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson Clewblocks Clewboards	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49 58 55-56	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth Insignia Tapes	65 62 63 71 63 77 67 50-55 63 82 86-87 72	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Patch Engineering Pattern Material Piston Hanks Plastic Hooks	101  71 62 101 68 102  72 84 49  63 71 102 101 67 86-87
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hotel Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson Clewblocks Clewboards Closed Cell Foam	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49 58 55-56 68	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth Insignia Tapes J Jackstay Webbing Jib Hanks	65 62 63 71 63 77 67 50-55 63 82 86-87 72	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Patch Engineering Pattern Material Piston Hanks Plastic Hooks Plastic Sail Track	101  71 62 101 68 102  72 84 49  63 71 102 101 67 86-87 82
Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hotel Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson Clewblocks Clewboards Closed Cell Foam Closing Tool - Rivets	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49 58 55-56 68 58	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth Insignia Tapes J Jackstay Webbing	65 62 63 71 63 77 67 50-55 63 82 86-87 72 101 68	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Pattern Material Piston Hanks Plastic Hooks Plastic Sail Track Plastiseam	101  71 62 101 68 102  72 84 49  63 71 102 101 67 86-87 82 87
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Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hotel Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson Clewblocks Clewboards Closed Cell Foam Closing Tools - Rivets Closing Tools - SR Rings	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49 58 55-56 68 58 63 57 64	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth Insignia Tapes J Jackstay Webbing Jib Hanks K Keddar Tape Kikusui Seamstick Kite Coating	65 62 63 71 63 77 67 50-55 63 82 86-87 72 101 68 81 67	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Pattern Material Piston Hanks Plastic Hooks Plastic Sail Track Plastiseam Polyester Insignia Cloth Press Rings Rutgerson Pressure Absorbing Slides	101  71 62 101 68 102  72 84 49  63 71 102 101 67 86-87 82 87 101 61 38-45
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Battery Heat Cutter Blades - Olfa Blades - Webbing Engel® Hotel Blocks Boat Cover Material Bolt Rope Buckles  C Captain Insignia Captain Seamstick Chafe Protectors Rondo® Clam Cleats Cleats GranSegel Clew Slides Rutgerson Clewblocks Clewboards Closed Cell Foam Closing Tool - Rivets Closing Tools - Grommets Closing Tools - SR Rings Closing Tools - Stimpson Coil Zips	72 72 72 t Knife 72 58-59 89-94 86 87 101 88 67 65-66 65 49 58 55-56 68 58 63 57 64 63 84	G GranSegel Cleats Grommets - Stimpson Grommets Tools H Hammers - Nylon Faced Hand Punches Hand Sewing Thread Hanks Headboards Hole Cutters Hook & Loop Hooks Hot Knife I Insignia Cloth Insignia Tapes J Jackstay Webbing Jib Hanks K Keddar Tape Kikusui Seamstick Kite Coating	65 62 63 71 63 77 67 50-55 63 82 86-87 72 101 68 81 67	Mushroom Head Push Pins Mylar Pattern Material  N Needles Nickel Plated Grommets Number Cloth Numbers Nylon Bag Cloth  O Olfa Cutting Blades Open Ended Zips Outhaul Slides  P Pad Eyes Palms Sewing Pattern Material Piston Hanks Plastic Hooks Plastic Sail Track Plastiseam Polyester Insignia Cloth Press Rings Rutgerson Pressure Absorbing Slides	101  71 62 101 68 102  72 84 49  63 71 102 101 67 86-87 82 87 101 61 38-45

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