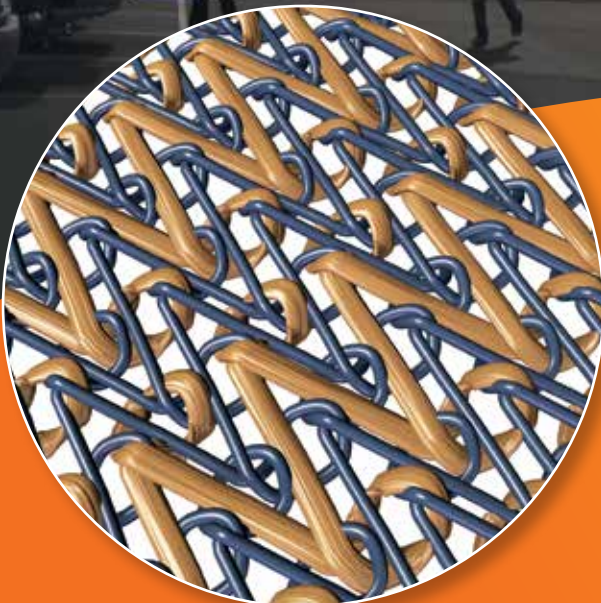


Architec 400®

EXTRA HEAVY DUTY KNITTED SHADECLOTH



Magnification of Polyfab's Ovalon™ monofilament yarn.

Protecting people just like you

ARCHITEC 400® is an extremely strong knitted shade cloth that has been designed for very large commercial tension membrane structures and shadesails.

FR


polyfab™
Australia

Architec 400® EXTRA HEAVY DUTY KNITTED SHADECLOTH



Architec 400® is tough under the sun

Architec 400® is a 400gsm High Density Polyethylene (HDPE) fabric with an excellent weight to strength ratio. It has very good tensile strength and is extremely resistant to tearing.

Architec 400® incorporates the latest in Ultra Violet (UV) stabilizers. These new generation stabilizers extend the UV life of the fabric so that Polyfab can now offer a 15 year warranty – the best industry warranty available (conditions apply). These new UV stabilizers also provide improved colour consistency and colourfastness.

Introducing Ovalon™ our propriety monofilament yarn

Architec 400® contains no flat tape.

Instead it is made from a combination of monofilament yarn and our new Ovalon™ monofilament yarn.

Ovalon™ provides excellent strength and has minimal stretch in both the Weft and Warp direction of the stitch pattern and will maintain its tension. It also provides very high UV protection over 90%.

With Ovalon™ you get the strength of monofilament yarns combined with the UV protection of tape.

Architec 400® is stable under tension

New biaxial tests show that Architec 400® has superior performance compared to other shade net fabrics.

Low and controlled elongation, providing less creep, long term strength, dimensional stability and less sag. Architec 400 is easier to engineer and will remain tensioned over its lifespan.

Architec 400® is easy to work with

Architec 400® has been pre-stentred to reduce shrinkage and improve the stability of the fabric. This process improves the workability of the fabric during the fabrication and installation of the shadesails or shade structure.

Technical Specifications		WARP	WEFT
Breaking Force	N/50mm	1050	1600
Breaking Extension	%	80	65
Tear Resistance (Wing Tear)	N	300	280
Bursting Pressure	Mean kPa	4200	
Bursting Force (Steel Ball)	Mean N	2300	
Fabric weight:	400 gsm		
Construction:	6 Gauges x 10 Courses		
Yarn weight:	725 Denier HDPE monofilament x 2 bars		
	690 Denier HDPE ovalon		
UV stabilization:	BASF Chimassorb 2020		
Fire Resistance: AS1530.2-1993 = Flammability Index 18 (0-100)			
ASTM E84 = Class A			

Colors	UVR %	Mean UPF	Shade Factor %
Porcelain	92	13	66
Sandstone	95	25	86
Sahara	95	22	85
Aquamarine	95	20	91
Slate	96	27	95
Midnight Green	95	21	94
Orange	94	20	85
Lemon	91	11	69
Grape	91	13	82
Lime	94	15	82
Black	96	27	97

Architec 400® is available in 11 designer colours.



Available in 3.00 x 50m or 3.80 x 50m straight rolls

Average weight: 400gsm

Product Disclaimers:

- Polyfab shade cloth is engineered to comply with the Building Code of Australia's general requirements for flammability (FR). Test data available upon request.
- The above information represents the results sourced from third party testing authorities, and tolerances may vary by as much as 10%.
- The Manufacturer reserves the right to alter or modify product specifications and colours without notice, and assumes no obligation or liability for the suitability and use of its products other than those applications intended by the manufacturer.
- Colours shown may not be an exact representation of the actual product.
- Outdoor fabrics are subject to harsh conditions and degradation over time is to be expected. Architec 400® is supported with a 15 year UV warranty. During this period the fabric will remain serviceable and fit for purpose. Colour fading is normal over time. Colours containing red and yellow pigments have a tendency to fade more than others. This is not a loss of strength caused by UV breakdown and is not covered by the product warranty. For more details refer to the supporting Polyfab product warranty.
- Polyfab Australia assumes no liability in the event of negligent installation / fabrication or application or choice of cloth.
- During installation, Polyfab shade cloth should not be subject to "pre-stressed" loading in excess of 20%.



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