

# Architec 400®

EXTRA HEAVY DUTY KNITTED SHADECLOTH



*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

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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 good under tension

Shadesails using Architec 400® should be well designed and engineered to hold the fabric under the tension it deserves.

The fabric should be supported by using appropriate strength poles and footings as determined by a professional engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.

## 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

Colors	Cover Factor %	Mean UPF	Shade Factor %
Porcelain	92	13	69
Cappuccino	95	22	85
Turquoise	93	13	85
Aquamarine	95	20	91
Navy Blue	97	21	95
Slate	96	27	95
Midnight Green	95	21	94
Orange	95	20	85
Lemon	91	11	69
Grape	91	13	82
Lime	94	15	82
Black	96	27	97

\*Percentage of UVR block

Architec 400® is available in 12 designer colours.



Available in 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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