

EXTRA HEAVY DUTY KNITTED SHADECLOTH

# Architec 400<sup>®</sup>



*Architec 400<sup>®</sup> is an extremely strong UV stabilized knitted shade cloth that has been designed for large commercial tension membrane structures and shade sails.*

  
**polyfab**<sup>™</sup>  
Australia

# Architec 400®

EXTRA HEAVY DUTY  
KNITTED SHADECLOTH



## Architec 400® is tough under the sun

Architec 400® is a 400 gsm 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 stabilizers from CIBA Specialty Products. These new generation stabilizers extend the UV life of the fabric so that Polyfab can now offer a 12 year warranty – the best industry warranty available (conditions apply). These new UV stabilizers also provide improved color consistency and colorfastness.

## 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 of 90% and over.

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

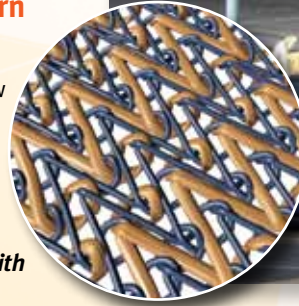
## Architec 400® is good under tension

Shade sails 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-stented 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 shade sails or shade structure.



| Technical Specifications                |          | WARP | WEFT |
|---|----------|------|------|
| Breaking Force                          | N/50mm   | 1028 | 1897 |
| Breaking Extension                      | %        | 89.1 | 92.6 |
| Tear Resistance (Wing Tear)             | N        | 324  | 330  |
| Bursting Force (Steel Ball)             | Mean N   |      | 2862 |
| Bursting Pressure                       | Mean kPa |      | 4500 |
| Available in: 3.80 x 50m Straight rolls |          |      |      |
| Average weight: 400gsm                  |          |      |      |

Manufacturer reserves the right to modify specifications or colors without notice.  
All specification tolerances +/- 5%

| Colors         | UVR% | Mean UPF (Visual Light)% | Shade Factor |
|----------------|------|--------------------------|--------------|
| Porcelain      | 95.1 | 23                       | 78           |
| Cappuccino     | 95.1 | 25                       | 86           |
| Aquamarine     | 90.7 | 11                       | 73           |
| Navy Blue      | 96.4 | 25                       | 89           |
| Slate Grey     | 96.1 | 23                       | 94           |
| Midnight Green | 95.7 | 13                       | 91           |
| Orange         | 93.7 | 23                       | 82           |
| Berry          | 94.8 | 30                       | 89           |
| Lemon          | 94.6 | 25                       | 76           |
| Grape          | 90.1 | 14                       | 82           |
| Lime           | 94.3 | 20                       | 87           |
| Black          | 95.8 | 33                       | 97           |



Porcelain



Orange



Cappuccino



Berry



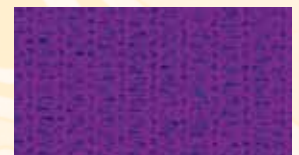
Aquamarine



Lemon



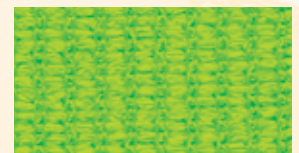
Navy Blue



Grape



Slate Grey



Lime



Midnight Green



Black

Note that actual colors and knit pattern may vary slightly from those shown.

Polyfab shade cloth has excellent fade resistance but all outdoor fabrics are subject to gradual fading over time.

Some colors have a tendency to fade more than others.

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