Architec 400®

EXTRA HEAVY DUTY KNITTED SHADECLOTH

INDUSTRY LEADING
12 year
UV WARRANTY

Protecting people just like you

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

FR

polyfab™ USA

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.

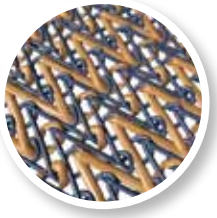
Architec 400® incorporates the latest in Ultra Violet (UV) stabilizers. These new generation stabilizers extend the UV life of the fabric so that Polyfab can now offer a 12 year warranty – the best industry warranty available (conditions apply). These new UV stabilizers also provide improved color consistency 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 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-stentered 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 (per ASTM D-5034)	lbs	342	270
Elongation at Break (per ASTM D-5034)	%	87	96
Tearing strength (per ASTM D-2261)	lbs	41	38
Mullen Burst (per ASTM D-3786)	lbs/in	Face	593
Ball Burst (per ASTM D-3787)	lbf	Face	450+*

*(Remarks: + Exceeds capacity of tester.)

Colors	UVR %	Mean UPF	Shade Factor %	SRI
Turquoise (NEW)	91	13	85	NA
Porcelain	90	12	66	87
Cappuccino	95	25	86	36
Aquamarine	94	22	91	31
Navy Blue	96	34	95	NA
Slate Gray	88	10	84	NA
Orange	94	24	82	61
Lime	94	20	87	56
Golden Yellow	95	25	76	79
Grape	90	14	82	NA
Midnight Green	95	28	92	NA
Black	96	48	96	1

SRI - Solar Reflectance Index (per ASTM E 1980). NA - results not available at the time of print.

Architec 400® is available in 12 designer colors.

- Turquoise (NEW)
- Orange
- Porcelain
- Lime
- Cappuccino
- Golden Yellow
- Aquamarine
- Grape
- Navy Blue
- Midnight Green
- Slate Gray
- Black

Available in:

12.5 feet (width) x 55 yards (length) straight rolls (not folded)

Average weight: 12 oz. per square yard

Product Disclaimers:

- Polyfab shadecloth 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 colors without notice, and assumes no obligation or liability for the suitability and use of its products other than those applications intended by the manufacturer.
- Colors 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 12 year UV warranty. During this period the fabric will remain serviceable and fit for purpose. Color fading is normal over time. Colors 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 USA assumes no liability in the event of negligent installation /fabrication or application or choice of cloth.
- During installation, Polyfab shadecloth should not be subject to "pre-stressed" loading in excess of 20%.

FR

RECYCLABLE 100% RECYCLABLE

POLYFAB - 100% LEAD FREE LEAD Polytex - Comtex - Architec 400

APPROVED BY MELANOMA INTERNATIONAL FOUNDATION

Fire Standard Compliance

Architec 400® complies with fire standard: ASTM E-84 (Class 1 or A rating)

polyfab™ USA

www.PolyfabUSA.com

coowh3801_FEB2015