

Polyfx[®]

HEAVY DUTY KNITTED SHADE NET



Protecting people all over the world

POLYFX[®] is ideal for small to medium sized domestic shade sails and shade structures and provides maximum UV protection from harmful sun and heat.




polyfab[™]
Australia

Polyfx® HEAVY DUTY KNITTED SHADE NET



Polyfx® shadesails are ideal around swimming pools, beach entertainment and barbecue facilities, outdoor leisure and picnic areas. Other applications include, playgrounds, preschools, secondary schools, camping grounds, hotels, motels and holiday resorts.

Shadesails made from **Polyfx®** also offer a striking alternative to flat roof timber pergolas and can be designed to accentuate any location, whether it be a home, garden or commercial establishment.

It is recommended that these modular free standing structures or shadesails be designed to hold the shadecloth under firm tension.

Polyfx® is made from the highest quality virgin HDPE resins combined with the latest UV stabilizers from BASF which provides maximum people protection against the sun's heat and strong ultraviolet rays. It also provides great protection against wind, dust, rain and hail.

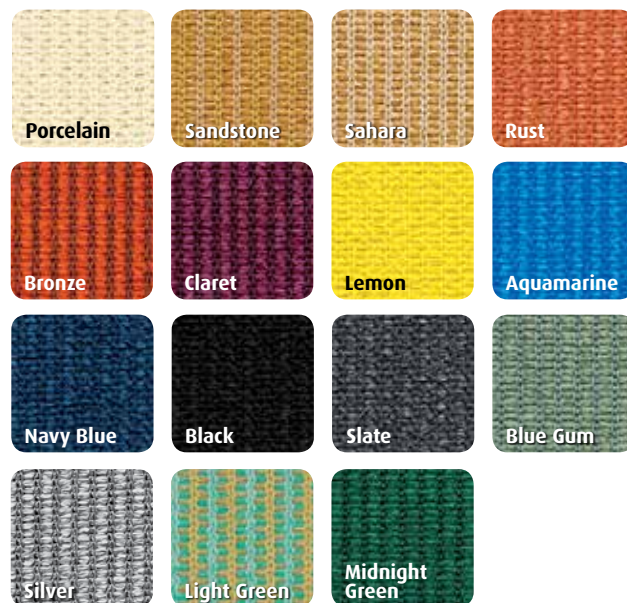
Polyfx® has been heat set, making it more stable and easier to cut and sew when fabricating a shadesail. It also has less shrinkage while still retaining its strength and very high UV protection.

Technical Specifications		WARP	WEFT
Breaking Force	N/50mm	570	1945
Breaking Extension	%	58	50
Tear Resistance (Wing Tear)	N	105	175
Bursting Force (Steel Ball)	Mean N	1300	
Bursting Pressure	Mean kPa	2750	
Fabric weight: 235 gsm			
Construction: 6 Gauges x 17 Courses			
Yarn weight: 430 Denier HDPE monofilament			
390 Denier HDPE tape			
UV stabilization: BASF Chimassorb 2020			
Polyfx achieves flammability index 1 when tested to AS1530 pt 2			

Colors	UVR %	Mean UPF	Shade Factor % (Visual light)	SRI
Sandstone	94	18	77	52
Porcelain	95	23	76	87
Sahara	94	32	87	42
Rust	88	9	73	33
Bronze	90	10	80	21
Claret	90	11	80	NA
Lemon	94	17	69	79
Aquamarine	89	11	67	31
Navy Blue	96	25	87	NA
Black	97	33	97	NA
Slate	96	23	93	NA
Blue Gum	93	16	82	17
Silver	85	7	87	18
Light Green	92	12	74	18
Midnight Green	92	13	88	NA

SRI - Solar Reflectance Index. NA - results not available at the time of print.

Polyfx® is available in 15 designer colors.



Available in: 3 x 50m straight and centre folded rolls

Average weight: 235gsm

Product Disclaimers:

- Polyfab shade fabric 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. Polyfx® is supported with a 10 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 Australia assumes no liability in the event of negligent installation/fabrication or application or choice of fabric.
- During installation, Polyfab shade fabric should not be subject to "pre-stressed" loading in excess of 20%.



Polyfab Middle East LLC
PO Box 450008 Dubai,
United Arab Emirates
Telephone +971 4 884 7933
Fax +971 4 884 7934
Email info@polyfab.ae
www.polyfab.com.au