



Commercial FR 300

Architectural Shade Fabric

SHADE SAILS

SHADE COVERS

TENSION STRUCTURES

GALE
P A C I F I C

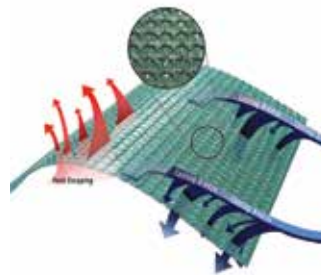
Commercial FR 300

Architectural Shade Fabric



The first California Fire Marshall approved architectural shade fabric that is 100% LEAD AND PHTHALATE FREE!

- California Fire Marshall approved
- 100% lead and phthalate free shade fabric
- Blocks up to 95.2% of harmful UV rays
- 100% recyclable
- Fade and tear resistant
- Specifically designed to be the safest choice in Architectural Shade Fabric
- Heat set for ease of fabrication and to limit shrinkage
- Made from UV stabilized HDPE monofilament and tape yarns
- Specialized lock-stitch knit for more air movement and better channeling of cool breezes
- 10 year manufacturer's warranty against UV degradation



Applications

- Shade sails
- Shade covers
- Tension structures
- Awnings

Usage Instructions

Do not use near flames.

Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty.

Features	Benefits
California State Fire Marshall (CSFM) approved	Heightened safety through optimal flame retardant properties
UV-stabilized HDPE monofilament and tape yarn	Excellent balance between strength and UV block
Specialized lock-stitch for more air movement and better channeling of cool breezes	Enjoyable outdoor environment which can be utilized for longer periods
Stentered (heat set)	Virtually eliminates any possibility of shrinking once installed and provides ease of fabrication
UV Block range 88.5% - 95.2%	Reduces sun exposure for safe and extended time outdoors
10 Year UV degradation Warranty on fabric	Reduced costs; peace of mind
100% Lead and Phthalate free	Healthier environment
Greenguard® and OEKO-TEX® certified	Sustainable, healthier environment and confidence in operational quality assurance
Engineered in Australia	Meets harsh conditions
100% Recyclable	Addresses environmental concerns



Physical Properties			
Property	Test Method	Imperial	Metric
Weight	ASTM D-3776	8.7 oz ± .59	295 gsm ± 20
Thickness	ASTM D-5199	55.11 mils	1.4 mm
Tensile Strength	ASTM D-5034 (grab test)	Warp: 206.82 lbs Weft: 368.68 lbs	Warp: 920 N/50mm Weft: 1640 N/50mm
Elongation	ASTM D-5034 (grab test)	Warp: 111.7% Weft: 58.1%	Warp: 111.7% Weft: 58.1%
Tear Strength	ASTM D-2261 (tongue test)	Warp: 39.56 lbs Weft: 53.05 lbs	Warp (mean) : 178 N Weft (mean) : 236 N (wing tear)
Burst Pressure (Mullen)	ASTM D-3786 (diaphragm test)	456 psi	3150 kPa (mean)
Burst Strength	ASTM D-3787 (ball burst test)	359.02 lbs	1597 N (mean)
Temperature Range		-22°F to +158°F	-30° C to + 70° C


*Test results available upon request
 **Note product is center folded when packaged

Lead & Phthalate Tests*	Result
Lead - All Colors: CPSIA Section 101 (a)(2) Phthalate: CPSIA Section 108	PASS Not Detected PASS Not Detected

Flammability Tests*	Result
Flammability Index AS1530.2 CSFM 1237.1 Title 19 ASTM E-84 NFPA 701: Method 1 & 2 JIS L 1091: 1999 Method A-1 JIS L 1091: 1999 Method A-3 BS7837 : 1996 DIN4102, Tell 1	3 CERTIFIED CLASS A CONFORMS PASS PASS COMPLIES B1 RATED

Specification	Imperial	Metric
Width**	9 ft 10 in	3 m
Length	104 ft 11 in	32 m
Roll Weight (approx.)	66.2 lbs	30 kg
Roll Diameter (approx.)	12-19/32 in	0.32 m
Core Diameter (approx.)	1-3/8 in	35 mm

Colors Available

	
Slate Grey 456924 89.6% UVR Block	Cobalt Blue 456719 90.8% UVR Block
	
Emerald 456757 94.5% UVR Block	Olive 456887 93.1% UVR Block
	
Nutmeg 456863 94.3% UVR Block	Terracotta 456771 95.2% UVR Block
	
Beige 456795 95.2% UVR Block	Ivory 456818 88.5% UVR Block

Please note, due to the limitations of the printing process, colors may not represent the true color

Shade and UVR Properties							
Color	Code	Cover Factor	Avg. % Transmission	Shade Factor	Avg. UVR Transmission	Avg. PAR Transmission	% UVR Block
Slate Grey	456924	92.0	12.1%	87.9	10.4	12.4	89.6%
Cobalt Blue	456719	91.0	10.8%	89.2	9.2	11.5	90.8%
Emerald	456757	95.3	5.8%	94.2	5.5	5.7	94.5%
Olive	456887	92.4	7.6%	92.4	6.9	7.7	93.1%
Nutmeg	456863	94.0	7.4%	92.6	5.7	7.5	94.3%
Terracotta	456771	96.0	9.8%	90.2	4.8	10.2	95.2%
Beige	456795	94.5	9.8%	90.2	4.8	10.2	95.2%
Ivory	456818	91.6	41.1%	58.9	11.5	49.4	88.5%

Tested according to AS4174 synthetic shade cloth: Avg. % transmission = Average % transmission within the 290-770nm spectrum
 Avg. UVR transmission = Average % transmission within the 290-400nm spectrum
 Avg. PAR transmission = Average % transmission within the 408-770nm spectrum

UVR and UPF values available upon request

The above results are typical averages from independent testing and quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between GALE Pacific and another party. Due to continuous product improvement product specifications are subject to alteration without notice.

As the use and disposal of this product are beyond GALE Pacific's control, regardless of any assistance provided without charge, GALE Pacific assumes no obligation or liability for the suitability of its products in any specific end use application. It is the customer's responsibility to determine whether GALE Pacific's products are appropriate for the specific application and complies with any legal & patent regulations.

The calculated protection factor is for the material only and does not account for the affect of indirect UVR when situated at a distance from the persons being protected.

Commercial FR 300 is OEKO-TEX® Standard 100 and Greenguard children and school certified.

As the demand for healthy, sustainable products continues to expand, consumers and building industry professionals increasingly demand substantiation of product sustainability claims and rely on trustworthy third-party certifiers to guide purchasing and specification decisions. GREENGUARD & Oeko-Tex Standard 100 Certification provides the market with solutions and resources to ensure healthier environments, and provides manufacturers with credible tools to legitimize and promote their sustainability

The GREENGUARD and Oeko-Tex Standard 100 Certifications set stringent limits for products to achieve in several key areas such as:

- Limiting Volatile Organic Compound (VOC) content
- Lowering formaldehyde emissions
- Lowering lead and phthalate content

AU P 1800 331 521 F +61 3 9518 3398 gpcommercial.com
NZ P 0800 555 171 F 0800 555 172
UAE P +971 4 881 7114 F +971 4 881 7167
USA P 1800 560 4667 F +1 407 772 0553 gpcommercialusa.com

