

Commercial COATED 440

Architectural Shade Fabric



Commercial Coated 440 is a combination of our Commercial 95 a high quality, heavy duty knitted shade cloth coated with a hard wearing LDPE coating for added weather protection. It provides the ultimate combination of maximum sun protection, strength and durability to ensure maintenance free, long-life performance

Built on the heritage of Commercial 95, Commercial Coated 440 has been manufactured with a hard wearing LDPE coating on one side to provide broad weather protection. Specifically designed for commercial applications such as car parks and sport centres where a coated fabric is required. High quality components have been selected for increased resistance to harsh UV light degradation.

Features	Benefits
Knitted lock-stitch construction	Fray and tear resistant
Tape and monofilament yarn	Excellent balance between strength and UV block
Strong HDPE	Won't rot or absorb moisture
Stentered (heat set)	Virtually eliminates any possibility of shrinking once installed and provides ease of fabrication
UV Block range 92.4% - 97.7%	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	Confidence in operational quality assurance
Engineered in Australia	Meets harsh environmental conditions
100% Recyclable	Addresses environmental concerns

Applications

- Tension structures
- Awnings
- Shade sails
- Car Park structures

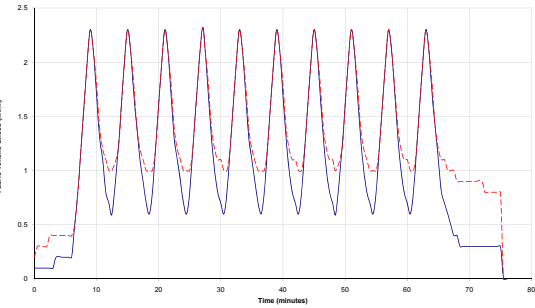
Usage Instructions

Install with coating side facing up.

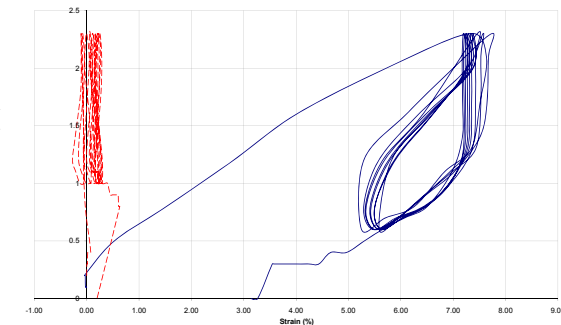
Do not use against flames.

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

Load Diagram



Biaxial Stretch Test



Material

Yarn	Knitted UV-stabilised HDPE
Construction	Monofilament & tape
Pattern	Lock-stitch knitted
Temperature range	-30°C to +70°C
Roll length	40m
Roll width	3m width (folded)

Properties

Nominal fabric mass (AS 2001.2.13)	435gsm ± 20
Approximate thickness	1.8mm

Performance

Tensile Strength-Warp	870 N/50mm
Tensile Strength-Weft (AS 2001.2.3.1)	1870 N/50mm
Wing Tear – Warp (mean)	172 N
Wing Tear – Weft (mean) (AS 2001.2.10)	301 N

Bursting Pressure (mean) (AS 2001.2.4)	3600 kPa
Bursting Force (mean) (AS 2001.2.19)	2075 N
Flex Cracking Resistance (AS 1441.6)	400,000+ cycles

Lead & Phthalate Tests

(CPSIA Section 101(a)(2))	
Lead not detected (CPSIA Section 108)	PASS
Phthalate not detected	PASS

Suggested Specification

Shadecloth fabric shall be compliant to Australian standard AS 4174 and shall be Commercial Coated 440 knitted HDPE monofilament & tape shade fabric offering a UV block up to 97%.

Colour	Code	Nom Width*	Length**	Cover Factor	Shade Factor	Av % Trans	Av% UVR Trans	Av PAR Trans	%UVR Block	PF	PF Calculated
Aquatic Blue	455477	2.7m	40m	93.7	90.8	9.2	4.2	11.3	95.8	9.0	20.9
Brunswick Green	455460	2.7m	40m	95.6	95.6	4.4	3.1	4.6	96.9	20.0	28.3
Deep Ochre	455453	2.7m	40m	97.0	94.9	5.1	2.3	4.9	97.7	28.0	49.5
Desert Sand	447267	1.9m	40m	94.1	81.3	18.7	7.6	19.9	92.4	10.2	22.5
Desert Sand	455293	2.7m	40m	94.1	81.3	18.7	7.6	19.9	92.4	10.2	22.5
Natural	455446	2.7m	40m	94.9	76.8	23.2	3.7	27.2	96.3	12.0	29.8

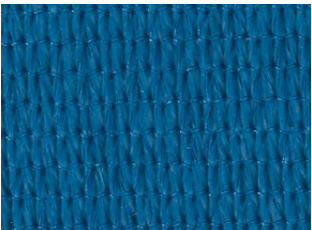
Approx. roll weight: 41kg

Approx. roll diameter: 270mm

Core diameter: 39mm

*Folded. **Roll.
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 effect of indirect UVR when situated at a distance from the persons being protected.

Colours Available



Aquatic Blue 455477
95.8% UVR Block



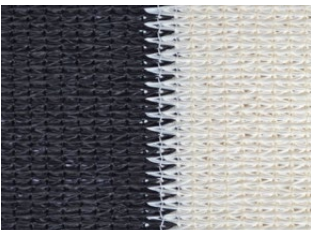
Black 430245



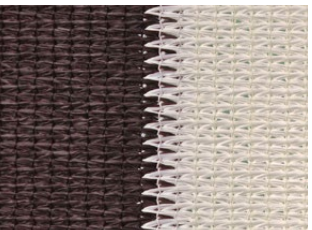
Brown 430320



Brunswick Green 455460
96.9% UVR Block



Black/White 430351



Brown/Natural 430382



Desert Sand 447267 & 455293
92.4% UVR Block



Deep Ochre 455453
97.7% UVR Block



Natural 455446
96.3% UVR Block

Please note, due to the limitations of the printing process, colours may not represent the true colour

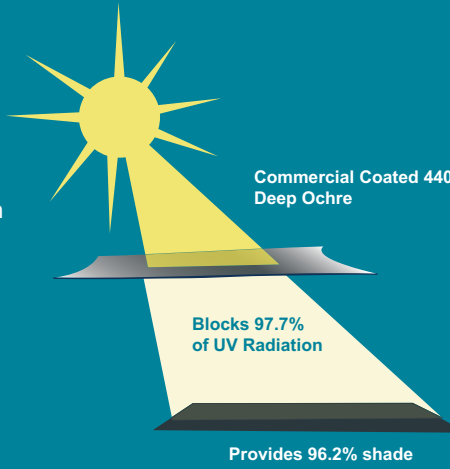
GALE Pacific architectural shade fabrics are designed to be strong and stable for use in architectural, outdoor, large-scale tension structures. All GALE Pacific architectural shade fabrics offer the ultimate combination of maximum sun protection, strength and durability to ensure maintenance-free, long-life performance.

GALE Pacific architectural fabrics are 100% lead and phthalate free and the first architectural shade cloth in the world to be granted Oeko-Tex Standard 100 and Greenguard Certification.

UVR Block & PF Ratings

All GALE Pacific shade fabrics have been fully tested according to AS4174 by the Australian Radiation Protection & Nuclear Safety Agency and feature the highest PF results available to deliver the highest level of UVR protection of any commercial shade cloth. Commercial Coated 440 shade fabric ranges up to 97.7% UVR block which is considered as “excellent protection” under guidelines set by Australia’s Sun Smart and the Cancer Council.

The % UVR block relates to the ability of the shadecloth to reflect or absorb UVR within the 290nm to 400nm range of the spectrum. Heightened exposure to UVR has been shown to increase the rates of skin cancer. Therefore, the percentage of UVR block is an important factor when selecting shadecloth designed to protect people.

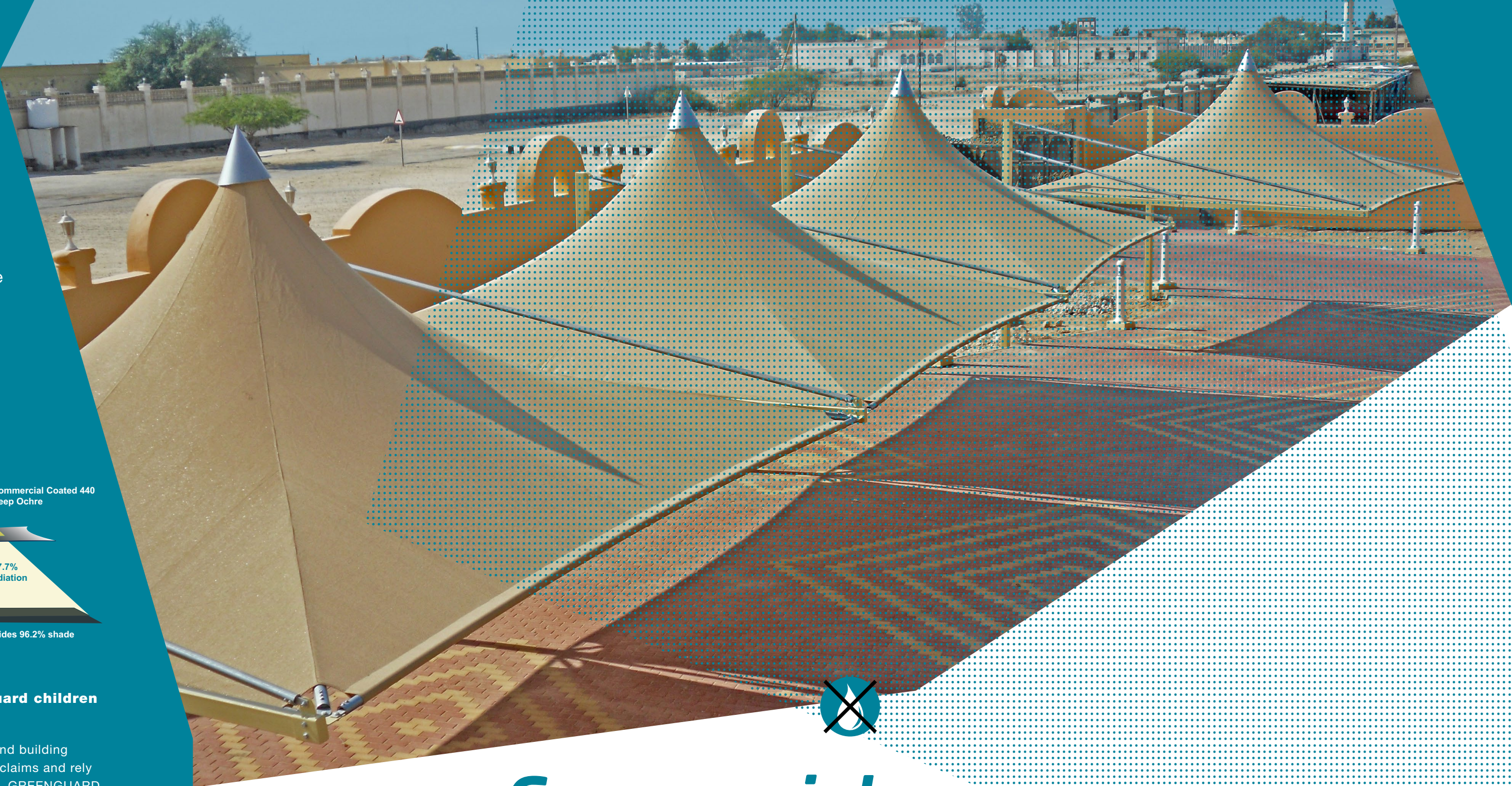


Commercial Coated 440 is OEKO-TEX® Standard 100 and Greenguard children and school certified.

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



Commercial

COATED 440

Architectural Shade Fabric

SHADE STRUCTURES

GAZEBO COVERS

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