

# Commercial Heavy 430



## Product Profile

## Architectural Shade Fabric

Rev.1 4/16

### Product Description

Commercial Heavy 430 is a high quality knitted shade fabric designed for tension structures, awnings and shade sails specifically for commercial architectural applications; supplied in bulk rolls.

### Properties

Nominal fabric mass 430 gsm ± 20  
(AS 2001.2.13)  
Approximate thickness 1.6 mm

### Material

Yarn UV stabilised HDPE  
Construction 100% Monofilament  
Pattern Lock-stitch knitted  
Temperature range -30°C to +75°C

### Performance

Tensile Strength - Warp 2000 N/50mm  
Tensile Strength - Weft 1700 N/50mm  
(AS 2001.2.3.2)  
Wing Tear – Warp (mean) 321 N  
Wing Tear – Weft (mean) 253 N  
(AS 2001.2.10)

### Features

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- 15 year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Greenguard® and Oeko-Tex® certified
- Engineered in Australia to meet the harsh climate.

Bursting Force (mean) 2130 N  
(AS 2001.2.19)

### Flammability Index

(AS 1530.2) 34  
Flammability Index (range 0-100)

### Usage Instructions

- 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.
- Biaxial elastic material properties available on request.

### Suggested Specification

Shadecloth fabric shall be compliant to Australian standard AS 4174 and shall be GALE Commercial Heavy 430 knitted with HDPE monofilament offering a UV block up to 94%.

Colour	Code	Nom Width	Length	Cover Factor	Shade Factor	Av % Trans	Av. UVR Trans	Av. PAR Trans	% UVR Block	PF Rating
Aquatic Blue		3.00 m (unfolded)	40 m	91.2%	89.7	10.3%	8.9%	11.0%	91.1%	11.6
Black				94.3%	94.3	5.7%	5.7%	5.7%	94.3%	17.6
Brunswick Green				92.5%	92.4	7.6%	7.6%	7.5%	92.4%	13.5
Charcoal				90.4%	90.4	9.6%	9.6%	9.6%	90.4%	10.7
Deep Ochre				92.9%	92.6	7.4%	7.1%	7.3%	92.9%	14.5
Desert Sand				93.0%	87.1	12.9%	7.1%	13.4%	92.9%	14.7
Emerald				90.3%	88.8	11.2%	9.8%	11.0%	90.2%	10.3
Natural				92.3%	79.1	20.9%	7.9%	23.2%	92.1%	14.4
Navy				90.8%	90.3	9.7%	9.3%	9.9%	90.7%	10.9
Red				91.4%	80.8	19.2%	8.7%	17.3%	91.3%	11.5
Steel Grey				90.1%	89.2	10.8%	9.9%	10.9%	90.1%	10.3
White				90.6%	72.9	27.1%	9.7%	31.2%	90.3%	10.6
Yellow				91.2%	76.3	23.7%	8.8%	24.9%	91.2%	11.8

Approx. roll weight: 54 kg  
Approx. roll diameter: 0.30 m  
Core diameter: 35 mm

Tested according to AS 4174 Synthetic Shadecloth

Av. % Transmis. = Average % Transmission within the 290-770nm spectrum  
Av. UVR Transmis. = Average % Transmission within the 290-400nm spectrum  
Av. PAR Transmis. = Average % Transmission within the 408-770nm spectrum  
UPF (Ultraviolet Protection Factor)  
PF (Rating) = actual rating assigned to material tested, inc standard deviation.  
PF (Mean) = average of PF values tested, excludes standard deviation.

The above results are typical averages from 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.

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AU P 1800 331 521 F +61 3 9518 3398 galecommercial.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