



INDUSTRIAL FABRICS – SECTION FOUR

COMMERCIAL SHADECLOTH



E3 August 2008

Nolan Warehouses

Sydney: (02) 9669 3333 • Newcastle: (02) 4957 7766 • Brisbane: (07) 3808 1888
Melbourne: (03) 9545 5588 • Adelaide: (08) 8340 7979 • Perth: (08) 9328 4777

www.nolans.com.au



COMMERCIAL SHADECLOTH



PARASOL is a tough, durable commercial grade Shadecloth, designated 'extra heavy' as defined by Australian Standard AS 4174-1994 "Synthetic Shadecloth". This means it satisfies the highest level of physical requirements specified by this standard, thus making it suitable for all outdoor applications including tension and other heavy duty structures.

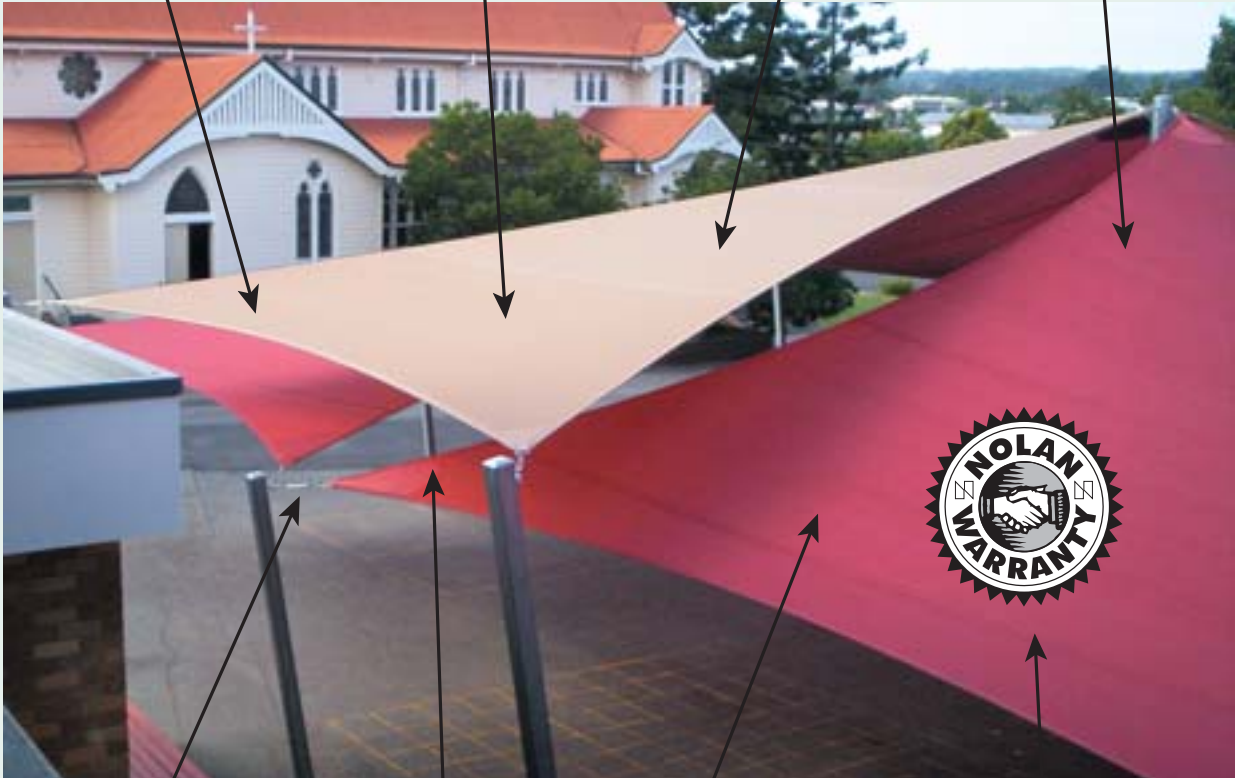
KEY PRODUCT FEATURES

*UV Stabilised
Yarn*

*Up to 95%
UVR Block*

*Fire
Retardant*

*Abrasion
Resistant*



High Strength

Heat Set

Colour Fast








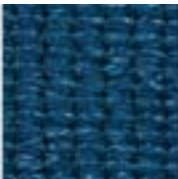
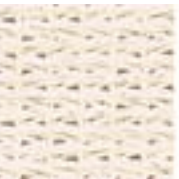
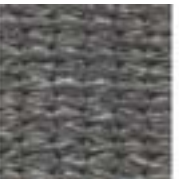
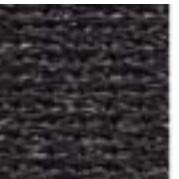
*Ten Year Limited
Warranty*



CONSUMER GUIDE

The objective of installing a shade structure or sail is to create shade. proTEX Parasol is manufactured using a monofilament and tape construction to maximise cover factor and provide the highest possible level of UVR block. This is important because UVR block is a measure of the degree of protection from the wavelengths of UV radiation known to be the cause of sunburn and cancer.

'PARASOL' PRODUCT DETAILS

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| | Colour | Beach Sand | Red | Harvest | Forest Green |
| Part # | 27PAR BEA | 27PAR RED | 27PAR HAR | 27PAR FOR | 27PAR TER |
| UVR Block* | 94.2% | 88.7% | 93.1% | 93.8% | 90.4% |
| *UVR Block test method (AS 4174-1994) |  |  |  |  |  |
| Colour | Ocean Blue | Navy | Ivory | Gun Metal | Black |
| Part # | 27PAR OCE | 27PAR NAV | 27PAR IVO | 27PAR GUN | 27PAR BLA |
| UVR Block* | 93.1% | 90.3% | 90.5% | 93.3% | 94.4% |
| DIMENSIONS | | | | | |
| Nominal Weight: 325gsm | | Nominal Width: 3.0 metres | | Roll Length: 50 metres | |
| PHYSICAL PROPERTIES | | | | | |
| Break Force – AS 2001.2.3.2 (mean) | | 1168 Newtons (warp); 2099 Newtons (weft) | | | |
| Bursting Force – AS 2001.2.19 (mean) | | 1877 Newtons | | | |
| Tear Resistance: – AS 2001.2.10 (mean) | | 179 Newtons (warp); 220 Newtons (weft) | | | |
| Strength loss after prolonged laboratory UV testing – AS 2001.4.21 | | Less than three percent (six times better than that recommended by AS 4174) | | | |
| Colourfastness to light – AS 2001.4.21 | | Forest Green 6-7*, Red 6-7 (*max: 7 excellent fastness) | | | |
| FIRE RETARDANT DETAILS | | | | | |
| | | Test Results | | Building Code of Australia General Requirements | |
| AS 1530 Part III (1 low to 10 high) | | Smoke Developed Index 5 Spread of Flame Index 8 | | 8 (max) 9 (max) | |

CARE INSTRUCTIONS



HDPE has only a weak resistance to halogens, such as chlorine and halogenated hydro-carbons. It is also affected by strong oxidising agents, such as hydrogen peroxide; chlorox (bleach); and some alcohols. Using such chemicals for cleaning should be avoided. Dirt or mildew is usually the result of contaminants caught in the interstices of the cloth, and should be easily removed using a high pressure hose. For stubborn stains, scrub with a brush and a weak solution of household detergent. Careful consideration should be given to the environment in which Parasol shade cloth is used. For example, when suspended over a swimming pool, it will be exposed to chlorine emissions, and its effective life may be reduced.



PROTEX PARASOL LIMITED WARRANTY

Nolan O'Rourke and Company P/L, ABN 80 000 021 492, trading as Nolan Warehouses, importers of the proTEX ranges of knitted shade cloth; and the manufacturer jointly guarantee for a period of ten years from the date of purchase, that the Commercial Grade shade cloth marketed under the name proTEX "Parasol" will not become unserviceable due to UV degradation; or due to recommended usage.

Nolan Warehouses further warrants that proTEX "Parasol" meets the physical requirements for 'Heavy Duty', as defined by Australian Standard AS 4174 – 1994 "Synthetic Shade Cloth", and tested to Australian Standard AS 2001 "Method of Test for Textiles;" and the specifications published in Technical Guide number one "Commercial Grade Shade Cloth" (August 2007) for other engineering properties and stability; including creep, elastic recovery, strength retention and colour fastness.

This warranty does not cover:-

- Colour change or variation, dimensional change, and product deterioration normally associated with outdoor weathering.
- Damage due to over-tensioning or installation contrary to advice published in the technical guide; vandalism or misuse; storm, wind or hail; chemical attack (including by halogens or halogenic compounds; organic solvents and concentrated acids) and fire.
- Flaws of a cosmetic nature, such as marks or creasing, provided these are consistent with the acceptance criteria of the typical quality control procedures for a modern, automated knitting plant.




The warranty is not transferable and applies only to the original purchaser of the product; and does not transcend Nolan Warehouses normal "Conditions of Sale". Liability is limited to replacement of material only, or refund of original purchase price, on a pro-rated basis of life served; with 100% of value for the first year declining at 10% per year thereafter. Liability for negligence or any consequential loss is expressly excluded.

Claims must be made in writing with proof of purchase provided. In the event of dispute as to cause, the technical determination of the manufacturer, or recognised industry association, or independent testing laboratory will be the sole basis for resolution.



SOMBRERO is a premium grade shade cloth suitable for a wide range of domestic, commercial, horticultural and agricultural applications. Sombrero is knitted with UV stabilised high density monofilament and is specifically designed for the harsh Australian environment.

'SOMBRERO' PRODUCT DETAILS

| | | | | | | |
|-------------------|---|---|---|---|---------------|----------|
| |  |  |  | SHADING PROPERTIES <i>as defined by AS 4174</i> | | |
| Colour | Black | Dark Green | Sand | Shade Factor (%) | UVR Block (%) | PAR (%) |
| Part # | 27SOM BLA | 27SOM DAR | 27SOM SAN | 65 to 73 | 64 to 73 | 27 to 35 |
| DIMENSIONS | | PHYSICAL PROPERTIES | | | | |
| Roll Width: | 4m | Construction | | 100% high density monofilament | | |
| Roll Length: | 50m | Tensile Strength – AS 2001.2.3.2 | | warp 1013N; weft 1367N | | |
| Nominal Weight: | 240gsm | Tear Strength – AS 2001.2.10 | | warp 148 ± 10N; weft 152 ± 7N | | |
| | | Bursting Force – AS 2001.2.19 | | 1629N ± 110 | | |