



INDUSTRIAL FABRICS – SECTION EIGHT

PVC COATED MESH

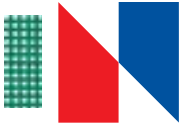


E3 August 2008

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PVC COATED MESH



Suncontrol is a European made micro-perforated mesh specifically designed to reduce glare and control solar transmission providing visual and thermal comfort. Combine these unique features with a contemporary colour range and a fabric that is wide enough to eliminate unsightly joins and you have the perfect solution for indoor and outdoor blinds and awnings.

KEY PRODUCT FEATURES



- ✓ *Temperature control*
- ✓ *Up to 90% UVR block*
- ✓ *Visual comfort*
- ✓ *Wide width*
- ✓ *'Lay flat' construction*
- ✓ *High strength to weight ratio*
- ✓ *Abrasion resistant*

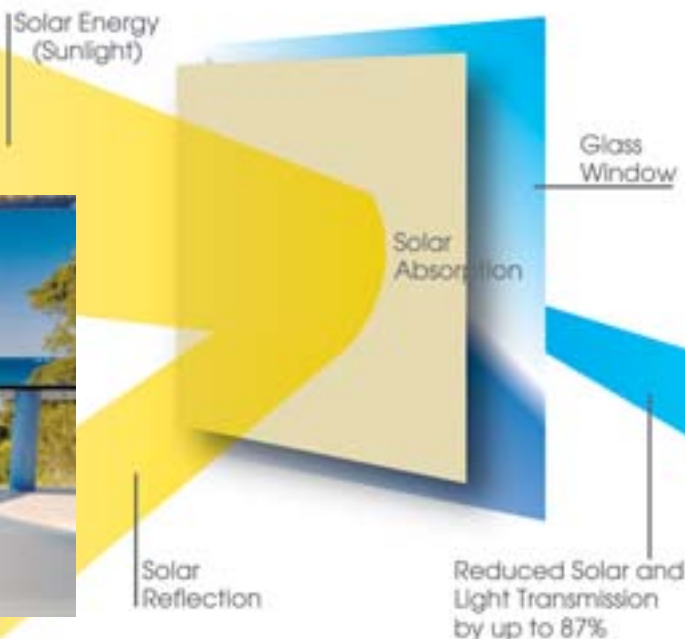
CONSUMER GUIDE

PVC coated mesh comprises a woven polyester matrix dipped or coated in such a way that the individual yarns are completely covered and protected. The result is a flexible composite that is widely used for blinds, screens, outdoor furniture fabric, truck covers and even as a print substrate. Principal features are its ventilation, heat insulation and 'see through' characteristics, which are a direct function from the size of the weave.

The most common application for PVC coated mesh is blinds and awnings. It provides privacy whilst still letting in a portion of natural light. Suncontrol has taken this concept to a new level. Not only does Suncontrol provide visual comfort but it dramatically reduces the penetration of ultra violet and infra red light. Suncontrol reduces ultra violet radiation (UVR) by up to 90% which equates to applying a sunscreen rated at UPF-10. UVR is well known to be the cause of sunburn and extensive damage to internal carpets and furnishings. Suncontrol also provides exceptional temperature control reducing solar transmission (infra red light) by an average of 80%. This dramatically reduces room temperature and maximises air conditioning efficiency.



PRODUCT DETAILS



Colour	Light Transmission* (%)	UVR Block** (%)	Solar Energy***		
			Solar Reflection (%)	Solar Absorption (%)	Solar Transmission (%)
Black	12.6	87.6	3.9	83.2	12.9
Charcoal	12.6	87.6	3.9	83.2	12.9
Dark Grey	11.5	88.9	16.1	71.8	12.1
Silver	15.1	86.9	31.1	52.8	16.1
Light Grey	15.1	86.9	31.1	52.8	16.1
White	33.7	85.9	55.6	9.5	34.9
Off White	26.7	86.4	57.4	13.9	28.7
Light Taupe	19.9	89.2	52.7	25.0	22.3
Ivory	20.5	87.2	47.3	29.3	23.4
Beige	17.8	88.0	43.3	36.2	20.5
Medium Blue	12.5	87.5	28.2	49.9	21.9
Forest Green	13.1	87.6	8.3	76.6	15.1
Terracotta	13.8	87.4	30.9	42.0	27.1

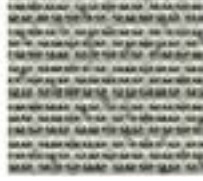





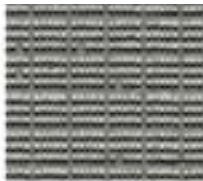
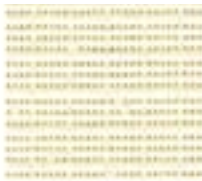
*Light transmission is the amount of visible light that transmits through the fabric. The figures in the table above provide the percentage of light remaining on the internal side of the fabric.

** 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. The average UVR block of all Suncontrol colours is 87.5%. This equates to applying a sun-screen rated at UPF-10.

*** Solar energy in basic terms is heat and light. The table above shows the proportion of solar energy that is reflected, absorbed and transmitted. The average solar energy transmission across all colours is 20%, therefore dramatically reducing internal heat and maximises air conditioning efficiency.

PRODUCT DETAILS



Roll width: 250cm					
Colour	Black	Silver	Light Grey	White	Ivory
Part #	23SUN 250 BLA	23SUN 250 SIL	23SUN 250 LIG GRY	23SUN 250 WHI	23SUN 250 IVO
Roll width: 250cm					
Colour	Medium Blue	Forest Green	Terracotta	Beige	
Part #	23SUN 250 MED BLU	23SUN 250 FOR GRE	23SUN 250 TER	23SUN 250 BEI	
Roll widths: 250cm & 330cm					
Colour	Charcoal	Dark Grey	Light Taupe	Off White	
Part # (250cm)	23SUN 250 CHA	23SUN 250 DAR GRY	23SUN 250 LIG TAU	23SUN 250 OFF WHI	
(330cm)	23SUN 330 CHA	23SUN 330 DAR GRY	23SUN 330 LIG TAU	23SUN 330 OFF WHI	

SPECIFICATIONS


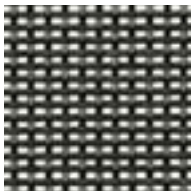

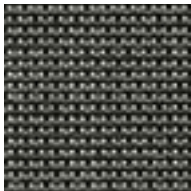

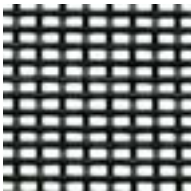
Property	Test Method	Value	Property	Test Method	Value
Base fabric	DIN60001	High tenacity polyester	Tear strength	DIN53363	Warp: 300N Weft: 550N
Yarn density	DIN53830	550/1100 Dtex	Dimensional stability	–	1%
Yarn construction	DIN 53853	13 x 9cm	Temperature resistance	DIN53361	-30° to +70° C
Weight of base fabric	DIN53854	170gsm	Solvent resistance	DIN51635	Resistant
Weight of PVC coating	DIN53352	170gsm	Light fastness	DIN54004	6
Total weight	DIN53352	340gsm	Flex cracking resistance	DIN53359	1000,000 cycles
Fabric thickness	DIN53353	0.45mm	Seam strength	DIN53357	20N/2cm
Tensile strength	DIN53354	Warp: 2000N/5cm Weft: 3000N/5cm	Warranty	–	5 years
Elongation at break	DIN53354	Warp: 26% Weft: 30%	Roll Length	–	30 metres



MESH-TEX is the Nolan masthead brand for our range of woven mesh products. This extensive range has been sourced from manufacturers with formal international quality control accreditation to ensure product specification and field performance.



PRODUCT DETAILS

Product	Details	Colour/Part #
 Marine Mesh 	<p>Description: Mesh suitable for outdoor furniture, marine and camping applications.</p> <p>Dimensions: Width: 183cm (Black and White). Weight: 420gsm. Roll Length: 50m.</p> <p>Specifications: Tensile Strength: 2500N/5cm warp, 2100N/5cm weft. Tear Strength: 190N warp, 130N weft. Construction: 1000 denier 16 x 12 polyester weave per 25.4mm, coated with UV stabilised PVC.</p>	<p>Black: 23MESMAR 183 BLA</p> <p>White: 23MESMAR 183 WHI</p>
 Shade Mesh 	<p>Description: Outdoor woven mesh suitable for fixed and roll-up awnings, privacy screens, outdoor furniture, marine and camping applications.</p> <p>Dimensions: Width: 183cm. Weight: 526gsm. Roll Length: 32m.</p> <p>Specifications: Tensile Strength: 2014N/5cm warp, 1874N/5cm weft. Tear Strength: 269N warp, 200N weft. Construction: 1000 denier 20 x 18 polyester weave per 25.4mm, coated with UV stabilised PVC.</p>	<p>Black: 23BRESHA 183 BLA</p> <p>White: 23BRESHA 183 WHI</p>
 Truck Mesh 	<p>Description: Woven mesh specifically designed for air-permeable truck and trailer tarpaulins.</p> <p>Dimensions: Width: 243cm. Weight: 300gsm. Roll Length: 54.9m.</p> <p>Specifications: Tensile Strength: 2127N/5cm warp, 1963N/5cm weft. Tear Strength: 274N warp, 265N weft. Construction: 1000 denier 13 x 9 polyester weave per 25.4mm, coated with UV stabilised PVC.</p>	<p>Forest Green: 23BRETRU FOR</p> <p>Black: 23BRETRU BLA</p>