



Signum Screen fabric by Copaco

Signum a commercial grade, European made, PVC free fabric produced from 100% CS Trevira is well suited to demanding residential and commercial applications. It has a metallised backing to provide maximum energy efficiencies, boasts the highest fire retardancy levels and is available in five colour choices.

Technical specifications

- 3% openness
- metallised backing to provide maximum energy efficiency
- zero VOC off-gassing, therefore virtually no lingering odours post installation
- outstanding fire retardancy and thermal insulation properties
- composition – 100% CS Trevira, PVC free
- fabric weight/thickness 190gsm
- nominal thickness 0.40mm
- roll width is 240cm

The range of colours and widths available includes:

Colour	Width
	240cm
Grass Silk	X
Coffee	X
Mist	X
Storm	X
Charcoal	X

FR Properties

- FR rating tested to AS1530Pt3:
 - Ignitability Index 0
 - Spread of Flame Index 0
 - Heat Evolved Index 0
 - Smoke Developed Index 0 – 1



Point-of-Sale support

An integrated swatch of the entire Copaco range is available to manufacturers in quantity for their own use or for distribution to their retail customer base. This swatch includes all colours within the Signum range.

Fabrication requirements

There are no special considerations for fabricators when using Signum, except that good quality cutting techniques should be used. It is recommended that Signum is cut using either crush cutting or ultrasonic cutting machinery. Of course, the performance of the fabric will ultimately be determined by the ability of the hardware system to adequately support the fabric with minimum bending and general deformation of the roller tube, especially in wide width installations.

Cut-to-length service

Signum is available in cut lengths at a surcharge of \$10.00 per cut. Cut lengths are generally despatched within two working days of order and are available for shipment to all parts of Australia.

Key selling features

Signum range has several features that provide competitive advantage over other screen fabric ranges sold in Australia. In particular:

- five fast moving colours;
- metallised backing to provide maximum energy efficiencies;
- roll width of 240cm;
- FR rating tested to AS1530 Pt3; and
- five-year manufacturer's warranty (included for external use).

Product warranty

Signum is provided with a five-year manufacturer's warranty, supported directly by Copaco and including for internal blind applications, except when used not in accordance with the manufacturers specifications and when used in tension systems.



Energy ratings

Energetic and light technical properties (European Standard EN14501)

Glazing A = clear single glazing 4 mm

Glazing B = clear double glazing (4/12/4), space filled with air

Glazing C = double glazing (4/16/4), with a low emissivity coating in position 3, space filled with argon

Glazing D = reflective double glazing (4/16/4), with a low emissivity coating in position 2, space filled with argon

Gv = 0.85

Gv = 0.76

Gv = 0.59

Gv = 0.32

Colour	Solar Energetic properties							Visual Properties		Fabric + Glazing Interior				Fabric + Glazing Interior				Fabric + Glazing Interior			
	Fabric			Fabric + Glazing Interior				Tv = Visible Light Transmittance %	Tuv = UV transmittance %	Direct Solar Transmittance				Qi = Secondary Heat Transfer Factor				Sc = Shading Coefficient			
	As = Solar Absorptance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - gv = 0,85 - U = 5,8	Glazing B - gv = 0,76 - U = 2,9	Glazing C - gv = 0,59 - U = 1,2	Glazing D - gv = 0,32 - U = 1,1			Glazing A - gv = 0,85 - U = 5,8	Glazing B - gv = 0,76 - U = 2,9	Glazing C - gv = 0,59 - U = 1,2	Glazing D - gv = 0,32 - U = 1,1	Glazing A - gv = 0,85 - U = 5,8	Glazing B - gv = 0,76 - U = 2,9	Glazing C - gv = 0,59 - U = 1,2	Glazing D - gv = 0,32 - U = 1,1	Glazing A - gv = 0,85 - U = 5,8	Glazing B - gv = 0,76 - U = 2,9	Glazing C - gv = 0,59 - U = 1,2	Glazing D - gv = 0,32 - U = 1,1
								G-factor = total solar energy transmittance													
Mist	44.6	48.0	7.4	0.41	0.44	0.41	0.26	6.9	6.3	0.06	0.05	0.04	0.02	0.35	0.38	0.36	0.24	0.48	0.57	0.69	0.82
Storm	44.3	49.2	6.5	0.40	0.43	0.40	0.26	4.8	5.0	0.06	0.05	0.04	0.02	0.35	0.38	0.37	0.24	0.47	0.56	0.68	0.82
Grass Silk	44.2	48.5	7.3	0.41	0.43	0.40	0.26	7.1	6.0	0.06	0.05	0.04	0.02	0.34	0.38	0.36	0.24	0.48	0.57	0.69	0.82
Coffee	46.0	47.4	6.6	0.41	0.44	0.41	0.26	4.9	4.6	0.06	0.05	0.04	0.02	0.36	0.39	0.37	0.24	0.48	0.58	0.69	0.82
Charcoal	47.2	47.3	5.5	0.41	0.44	0.41	0.26	2.4	3.0	0.05	0.04	0.03	0.02	0.36	0.40	0.38	0.24	0.48	0.58	0.69	0.82

