

86

Color, Alu



Soltis 86

A range dedicated to transparency

Thanks to Soltis 86, you can achieve remarkable transparency and improve the amount of natural light while maintaining good thermal protection.

Excellent transparency

Soltis 86 provides excellent outward visual contact to enjoy the view even when the awning is lowered. It proves its efficiency by blocking up to 93% of the heat in outdoor use.

Optimised natural light contribution

Soltis 86 promotes natural light intake. This is beneficial in terms of:

- energy savings by reducing the use of artificial lighting
- the well-being, health and productivity of people in a professional or private environment.

Harmonised ranges

All the colours of Soltis 86 are coordinated with Soltis 92 to:

- harmonise all the facades of a building
- meet visual comfort needs according to each facade's orientation
- adjust thermal protection to save energy.



**Transparency
and natural light**

Soltis 86

Color



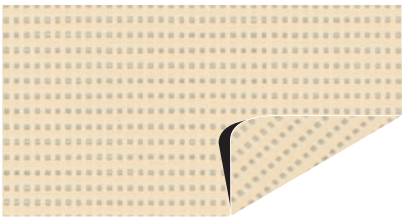
Snow white

86-50690



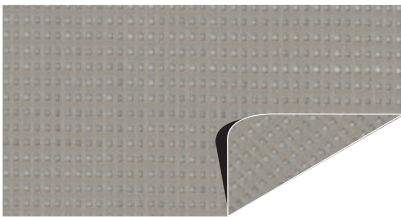
White

86-2044



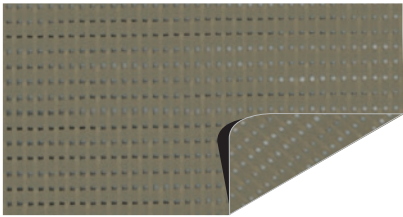
Champagne

86-2175



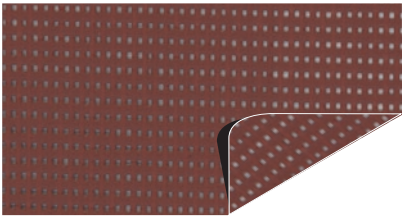
Sandy beige

86-2135



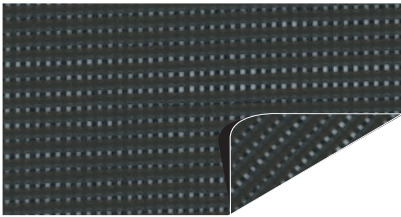
Pepper

86-2012



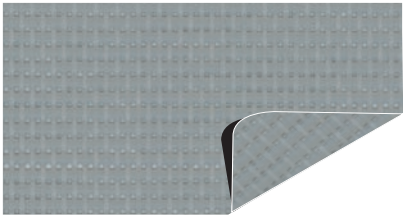
Brick

86-51180



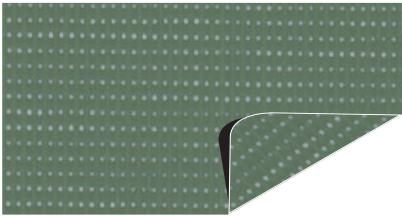
Bronze

86-2043



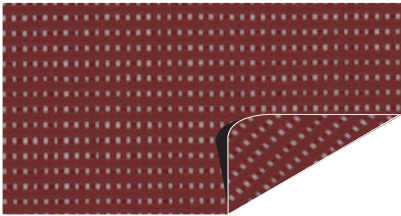
Boulder

86-2171



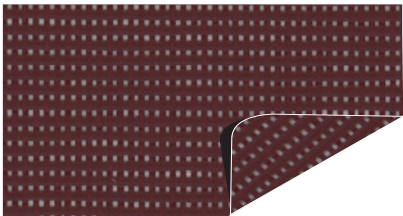
Moss green

86-2158



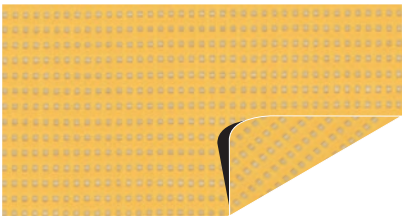
Red

86-8255



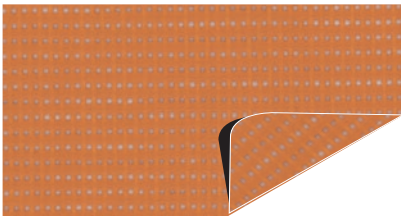
Deep red

86-51181



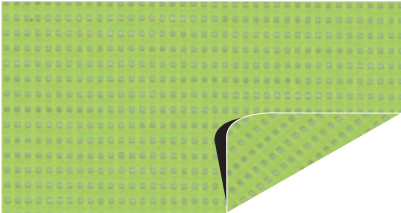
Buttercup

86-2166

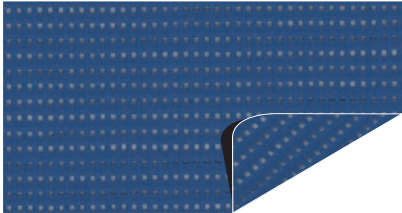


Orange

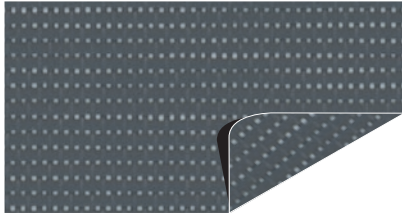
86-8204



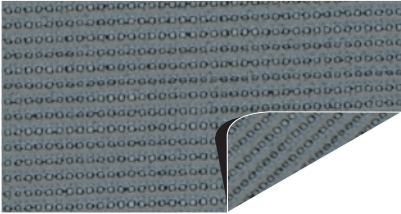
Aniseed 86-2157



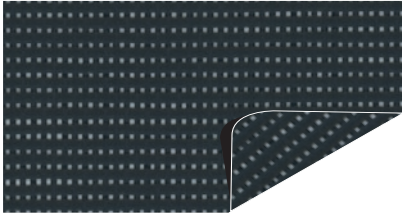
Deep blue 86-51182



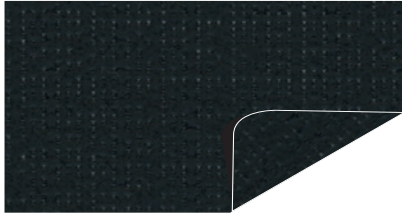
Concrete 86-2167



Beaten metal 86-2045

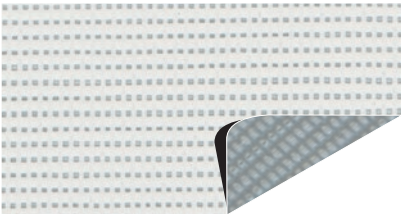


Anthracite 86-2047

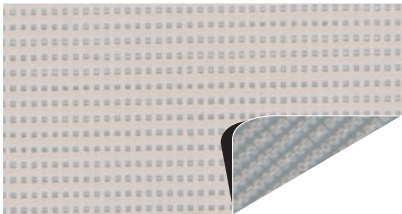


Deep black 86-51176

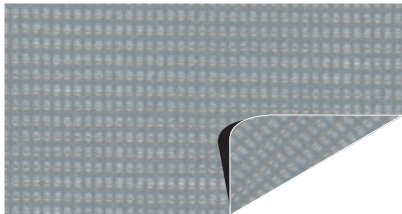
Alu



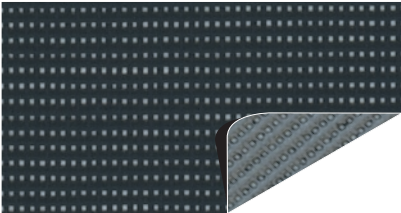
White/Alu 86-2051



Oat/Alu 86-2046



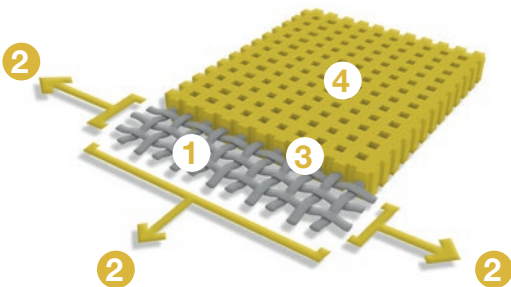
Alu/Alu 86-2048



Anthracite/Alu 86-2068

Exclusive Précontraint® technology

This unique, world-patented technology involves maintaining the composite in bi-axial tension throughout the manufacturing cycle. It ensures our materials' exceptional performance characteristics, which ensure they exceed market standards in terms of long-term stability, strength, coating thickness and flatness.



1	High-tenacity polyester micro-yarn reinforcing mesh	Higher resistance to elongation and tearing
2	Coating under bi-axial, warp and weft tension	No deformation during installation and usage
3	Coating thickness covering top of yarns and dirt repellent surface treatment	Enhanced aesthetic and structural durability
4	Extremely flat and thin	Easy-to-clean smooth surface ensuring compactness and easy rolling

Thermal and light transmission properties
(according to EN 14501)

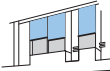
		Width (cm-in.)		TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing	
		177 69.7	267 105.1					g _{tot} ^e	g _{tot} ⁱ
		Color							
86-2012				18	27	55	16	0.08	0.24
86-2043				15	11	74	15	0.07	0.28
86-2044				29	59	12	28	0.11	0.15
86-2045				16	29	55	16	0.08	0.23
86-2047				17	7	76	17	0.07	0.28
86-2135				24	39	37	22	0.09	0.21
86-2157				25	44	31	21	0.08	0.21
86-2158				18	25	57	16	0.08	0.25
86-2166				31	45	24	28	0.11	0.21
86-2167				17	14	69	17	0.07	0.26
86-2171				22	36	42	20	0.08	0.21
86-2175				30	57	13	28	0.11	0.16
86-8204				29	41	30	21	0.10	0.23
86-8255				21	24	55	14	0.07	0.27

TS	Solar Transmission in %
RS	Solar Reflection in %
AS	Solar Absorption in %
TS + RS + AS	= 100% of the incident energy
TV n-h	Normal Visible light transmission - hemispherical in %
A	Aluminium surface exposed to the sun
B	Colored surface exposed to the sun
g _{tot} ^e	External Solar Factor
g _{tot} ⁱ	Indoor Solar Factor

		Width (cm-in.)		TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing	
		177 69.7	267 105.1					g _{tot} ^e	g _{tot} ⁱ
Color									
86-50690				28	61	11	27	0.11	0.14
86-51176				14	5	81	14	0.07	0.29
86-51180				17	24	59	15	0.07	0.26
86-51181				18	14	68	16	0.08	0.28
86-51182				18	23	59	15	0.07	0.27
Alu									
86-2046 A				22	40	38	21	0.10	0.16
86-2046 B				22	55	23	21	0.09	0.20
86-2048				19	39	42	19	0.09	0.20
86-2051 A				22	40	38	20	0.09	0.13
86-2051 B				22	60	18	20	0.09	0.20
86-2068 A				17	31	52	17	0.08	0.23
86-2068 B				17	7	76	17	0.09	0.28

* Detailed method ISO 52022-3
Takes into account the spectral values of glazing transmission and reflection + blind complex for calculating the solar factor g_{tot}.
Type "D" glazing: insulating double glazing with low emissivity on surface 2 (4 + 16 + 4; Argon filling) g = 0.32 - U = 1.1.

Main applications

		Color	Alu
Exterior solar protection & Terrace			
	Facade blind	✓	✓
	Projection awning	✓	✓
	Wintergarden blind	✓	✓
	Fixed pergola roof	✓	✓
	Rollable pergola roof	✓	✓
	Retractable pergola roof	✓	✓
	Lateral pergola blind	✓	✓
	Retractable arm awning	✓	✓
	Wind shield	✓	✓
	Shade-sail	✓	✓

Soltis 86

	Color	Alu
Technical properties		
Openess factor	14%	
Weight EN ISO 2286-2	380 g/m² • 11.2 oz/sq. yd	
Thickness	0.45 mm • 450 microns	
Width	177 cm - 267 cm • 69.7 in. - 105.1 in	
Roll length		
In 177 cm • 69.7 in width	50 lm • 54.68 yd	
In 267 cm • 105.1 in width	40 lm • 43.74 yd	
Physical properties		
Tensile strength (warp/weft) EN ISO 1421	230/160 daN/5 cm • 517/360 lbs/2 in	
Tear strenght (warp/weft) DIN 53.363	45/20 daN • 101/45 lbs	
Fire resistance		
Rating	M1/NFP 92-507 B1/DIN 4102-1 M1/UNE 23.727-90 Classe 1/EN 13773 Classe 1/UNI 9177-87 VKF 5.3/SN 198898 BS 7837 BS 5867-2 Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 Method 1/NFPA 701 Method 2/NFPA 701 CSFM T19 Class A/ASTM E84 CAN ULCS109 1530.2/AS/NZS 1530.3/AS/NZS G1/GOST 30244-94	
Euroclass EN 13501-1	B-s2,d0	
Management system		
	Quality: ISO 9001 • Environment: ISO 14001 • Energy: ISO 50001	
Certifications, labels, warranty		
Précontraint® Technology 5-year warranty        		

Tools and Services

Soltissim: tool to evaluate energy savings that can be achieved with Soltis solar protection. Contact your Serge Ferrari representative.

¹ Summarizes the group's CSR project focused on human, to align economic performance and positive impact.

The technical data above are averaged values with a +/-5% tolerance.

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