

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 colors 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**

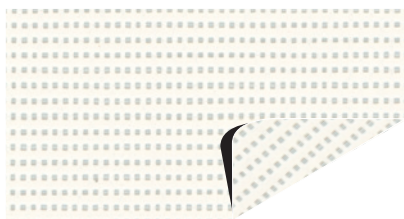
Soltis 86

Color



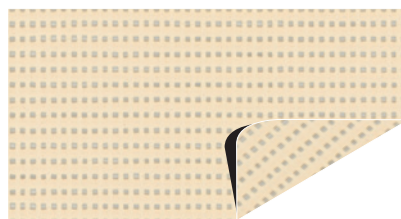
Snow white

86-50690



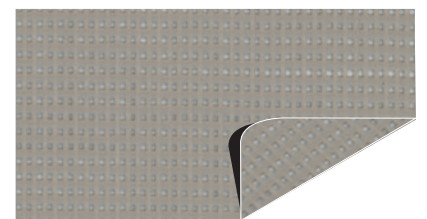
White

86-2044



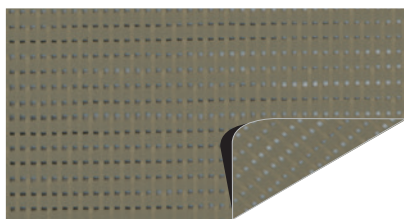
Champagne

86-2175



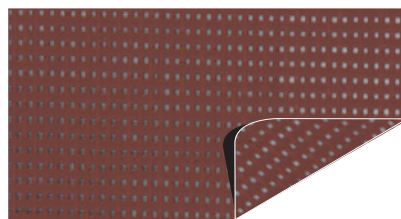
Sandy beige

86-2135



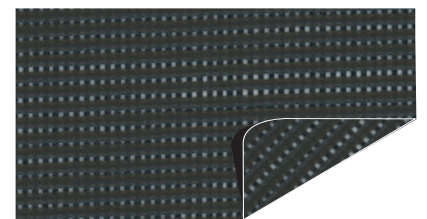
Pepper

86-2012



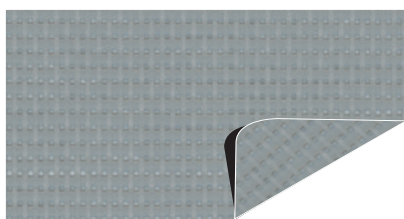
Brick

86-51180



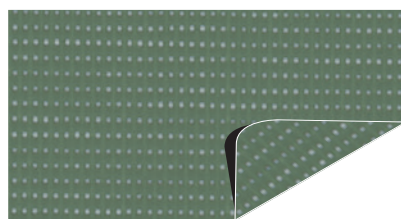
Bronze

86-2043



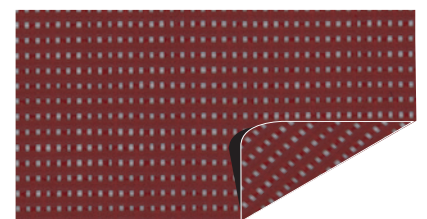
Boulder

86-2171



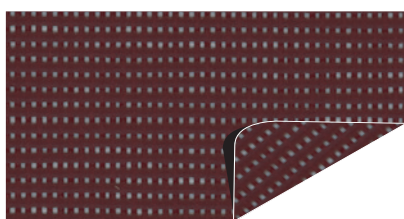
Moss green

86-2158



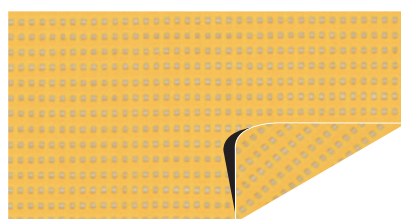
Red

86-8255



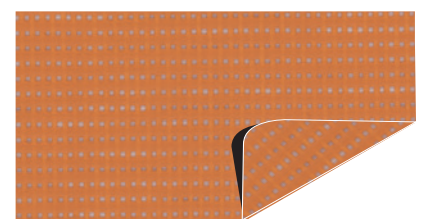
Deep red

86-51181



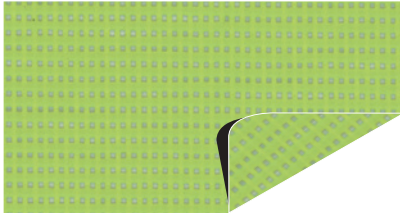
Buttercup

86-2166



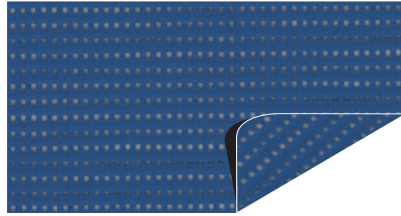
Orange

86-8204



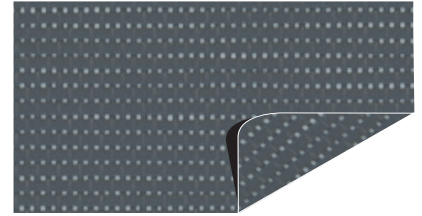
Aniseed

86-2157



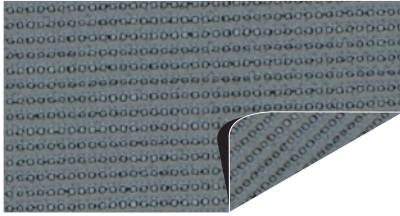
Deep blue

86-51182



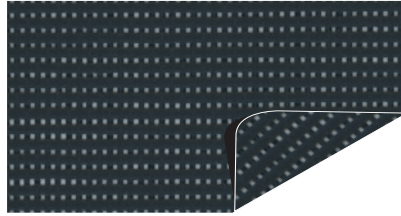
Concrete

86-2167



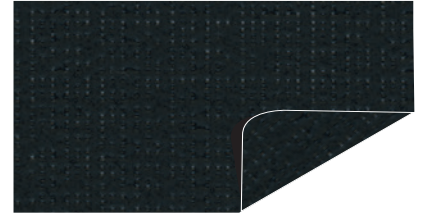
Beaten metal

86-2045



Anthracite

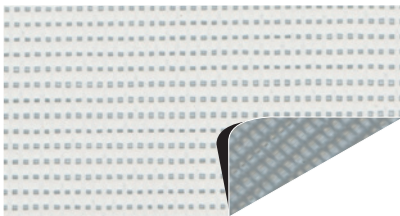
86-2047



Deep black

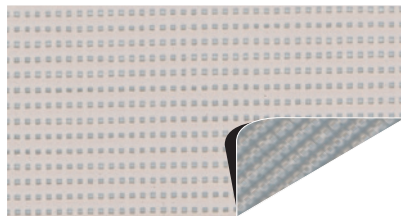
86-51176

Alu



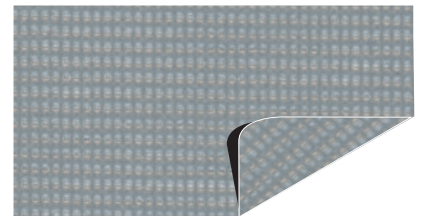
White/Alu

86-2051



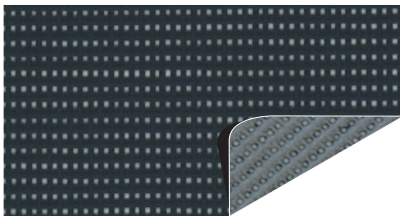
Oat/Alu

86-2046



Alu/Alu

86-2048



Anthracite/Alu

86-2068

A range of colours to match every kind of project

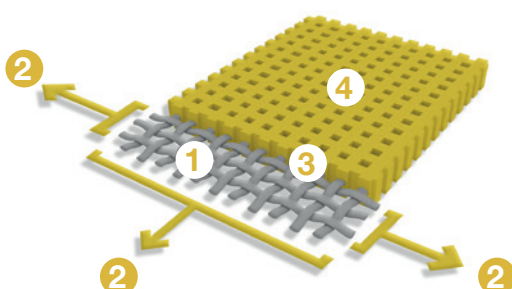
The new Soltis 86 range features colors designed by our design office to complement the building's entire environment (joinery, openings and facades). The colours present tones that match the most common colours (RAL and NCS references).



Download
our RAL and NCS
color correspondence















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	g _{tot} ^{e*}	g _{tot} ^{i*}	
								177 69.7
Color								
86-2012		• •	18	27	55	17	0.08	0.24
86-2043		• •	15	11	74	14	0.07	0.28
86-2044		• •	29	59	12	28	0.11	0.15
86-2045		• •	16	29	55	17	0.08	0.23
86-2047		• •	17	7	76	16	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	17	0.08	0.25
86-2166		• •	31	45	24	27	0.11	0.21
86-2167		• •	17	14	69	16	0.07	0.26
86-2171		• •	22	36	42	19	0.08	0.21
86-2175		• •	30	57	13	29	0.11	0.16
86-8204		• •	29	41	30	21	0.10	0.23
86-8255		• •	21	24	55	13	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	g _{tot} ^{e*}	g _{tot} ^{i*}	
								177 69.7
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	22	0.10	0.16
86-2046 B		• •	22	55	23	22	0.09	0.20
86-2048		• •	19	39	42	20	0.09	0.20
86-2051 A		• •	22	40	38	21	0.09	0.13
86-2051 B		• •	22	60	18	21	0.09	0.20
86-2068 A		• •	17	31	52	18	0.08	0.23
86-2068 B		• •	17	7	76	18	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}^e.
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		
Openness factor		14%
Weight EN ISO 2286-2		380 g/m ² • 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 strength (warp/weft) DIN 53.363		45/20 daN • 101/45 lbs
Environmental properties		
Carbon impact EN 15804 + A1		2.22 kg CO ₂ eq/m ²
Fire resistance		
Rating		B1/DIN 4102-1 M1/UNE 23.727-90 Class 1/EN 13773 Class 1/UNI 9177-87 VKF 5.3/SN 198898 BS 7837 BS 5867-2 Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 NFPA 701 Method 1 & Method 2 CSFM T19 Class A/ASTM E84 CAN ULCS109 AS/NZS 1530.2 & 1530.3 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		
          		

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 +/-10% tolerance.

The global warming value has been validated by the Bureau Veritas certification company.

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The colors and textures presented are included for information only.