

**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

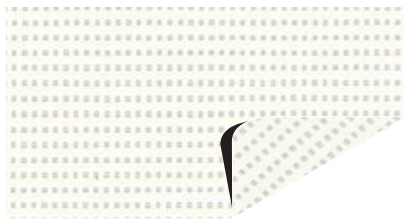
## Color

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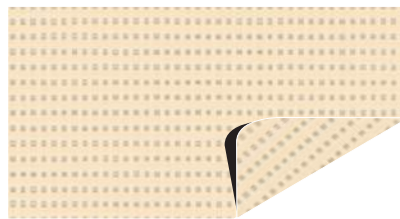
Snow white

86-50690



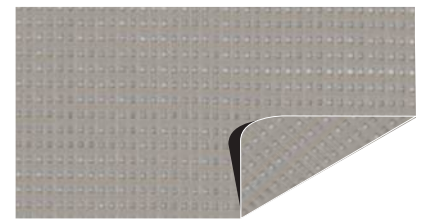
White

86-2044



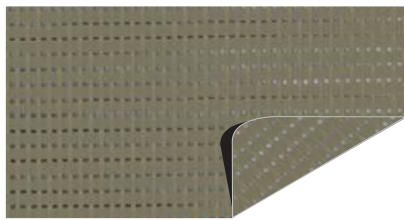
Champagne

86-2175



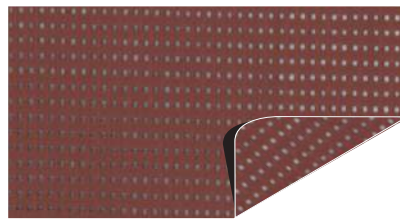
Sandy beige

86-2135



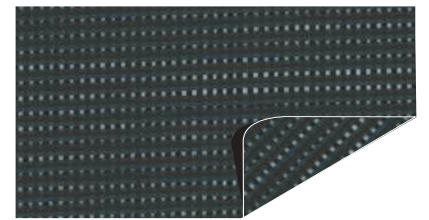
Pepper

86-2012



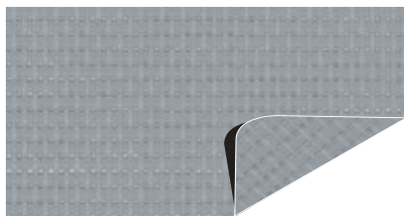
Brick

86-51180



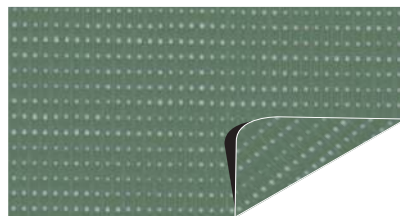
Bronze

86-2043



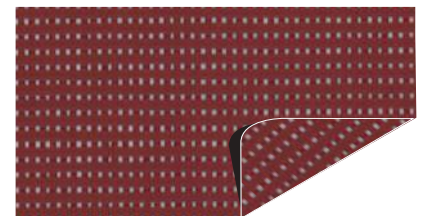
Boulder

86-2171



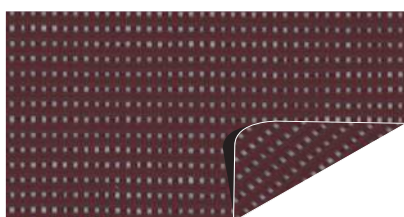
Moss green

86-2158



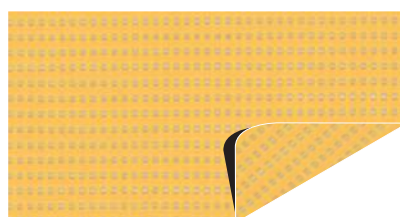
Red

86-8255



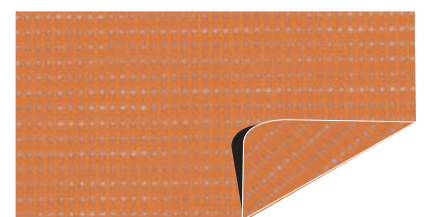
Deep red

86-51181



Buttercup

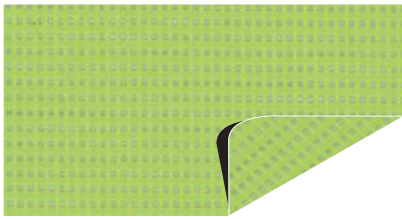
86-2166



Orange

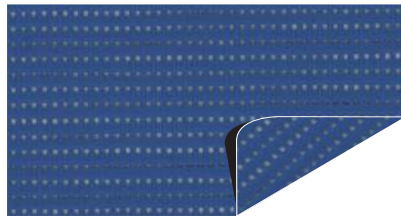
86-8204





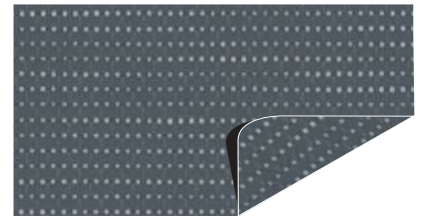
Aniseed

86-2157



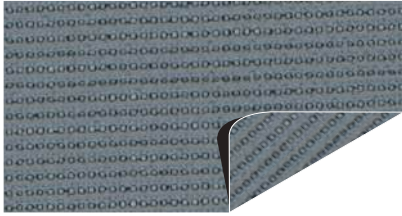
Deep blue

86-51182



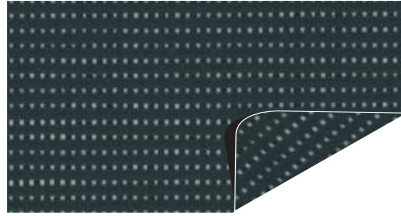
Concrete

86-2167



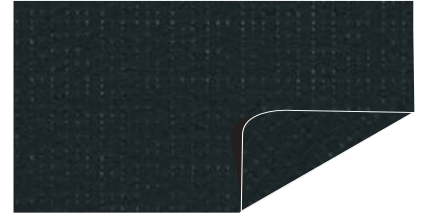
Beaten metal

86-2045



Anthracite

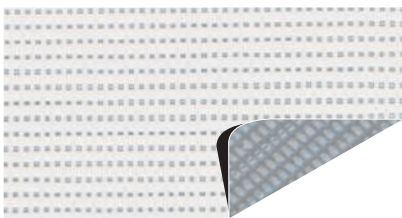
86-2047



Deep black

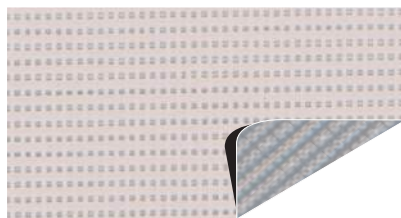
86-51176

## Alu



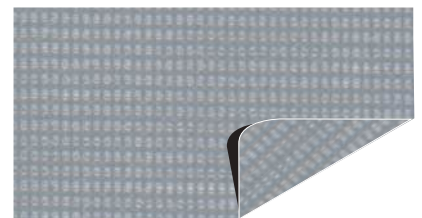
White/Alu

86-2051



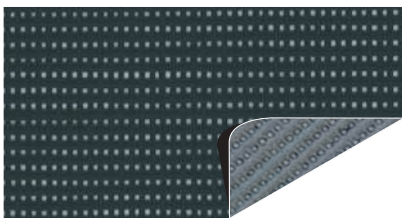
Oat/Alu

86-2046



Alu/Alu

86-2048



Anthracite/Alu

86-2068

A range of colours to match every kind of project

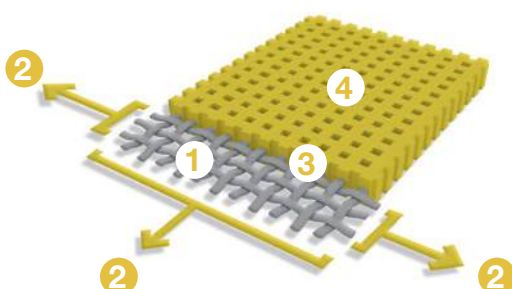
The new Soltis 86 range features colors designed by our design office to complement the building's entire environment (joinery, openings and facades). The colours present tones that match the most common colours (RAL and NCS references).



**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)

	Color	Width (cm-in)		TS	RS	AS	TV n-h	g <sub>tot</sub> <sup>e*</sup>	g <sub>tot</sub> <sup>i*</sup>
		177 69.7	267 105.1						
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

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

	Color	Width (cm-in)		TS	RS	AS	TV n-h	g <sub>tot</sub> <sup>e*</sup>	g <sub>tot</sub> <sup>i*</sup>
		177 69.7	267 105.1						
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
<b>Alu</b>									
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<sub>tot</sub><sup>e\*</sup>.  
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
<b>Exterior solar protection &amp; Terrace</b>		
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 <sup>2</sup> • 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 <sub>2</sub> eq/m <sup>2</sup>
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## Fire resistance

Rating	<b>M1/NF P 92-507</b> <b>B1/DIN 4102-1</b> <b>M1/UNE 23.727-90</b> <b>Class 1/EN 13773</b> <b>Class 1/UNI 9177-87</b> <b>VKF 5.3/SN 198898</b> BS 7837 BS 5867-2 <b>Schwerbrennbar-Q1-Tr1/ONORM A 3800-1</b> NFPA 701 Method 1 & Method 2 CSFM T19 <b>Class A/ASTM E84</b> CAN ULCS109 AS/NZS 1530.2 & 1530.3 <b>G1/GOST 30244-94</b>
Euroclass EN 13501-1	<b>B-s2,d0</b>

## 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.

<sup>1</sup> 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.

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

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