Serge Ferrari
architecture

Soltis

86

Color, Alu



BUITINK TECHNOLOGY
Advanced Lightweight Structures

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.





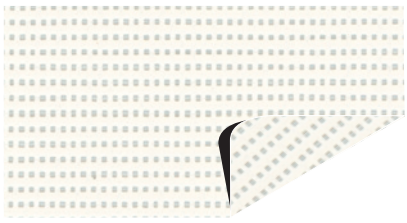
Transparency and natural light

Soltis 86

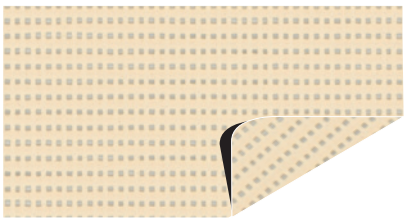
Color



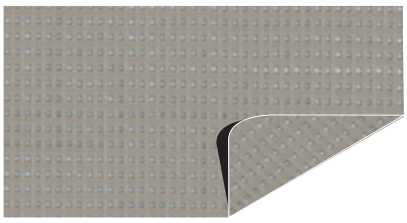
Snow white 86-50690



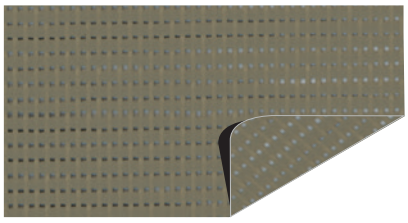
White 86-2044



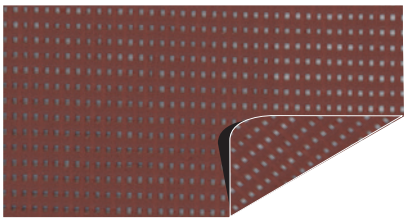
Champagne 86-2175



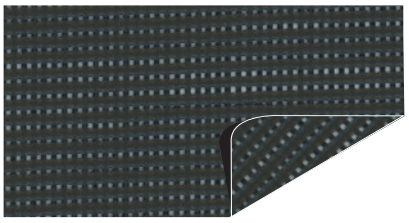
Sandy beige 86-2135



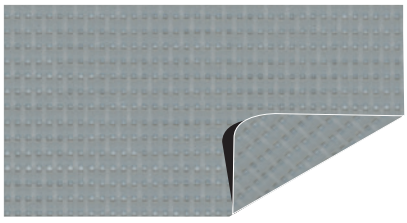
Pepper 86-2012



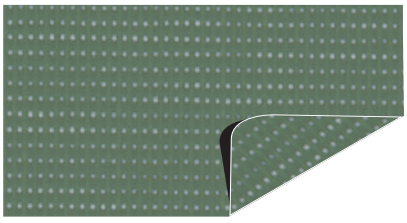
Brick 86-51180



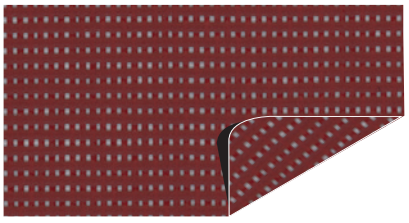
Bronze 86-2043



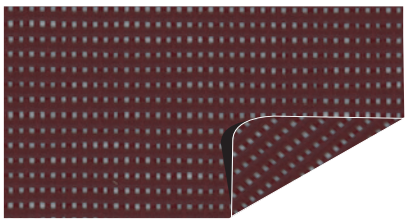
Boulder 86-2171



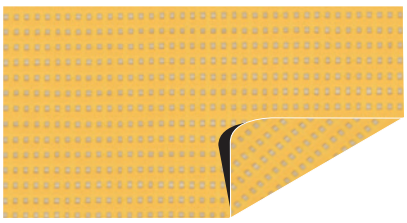
Moss green 86-2158



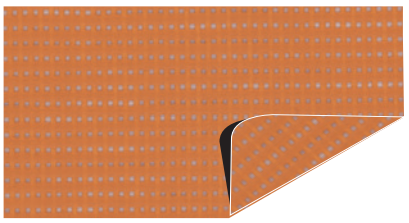
Red 86-8255



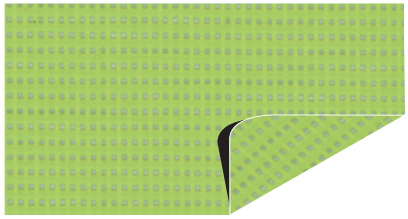
Deep red 86-51181



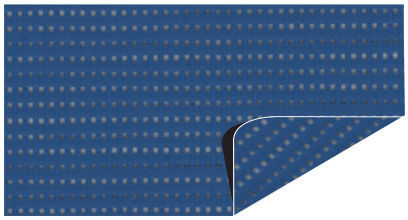
Buttercup 86-2166



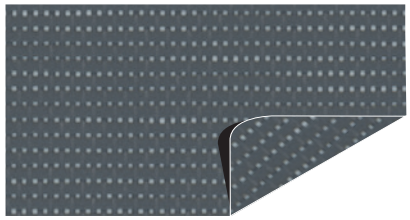
Orange 86-8204



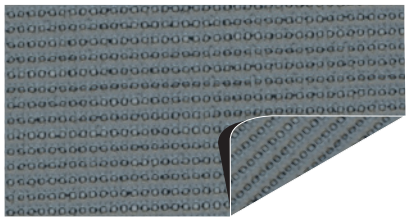
Aniseed **86-2157**



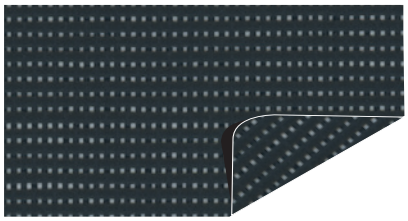
Deep blue **86-51182**



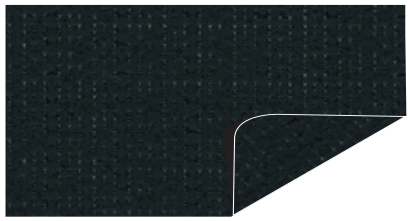
Concrete **86-2167**



Beaten metal **86-2045**

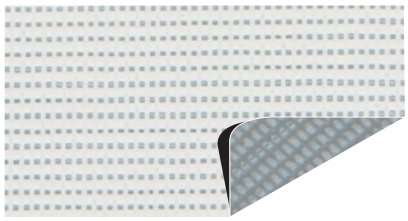


Anthracite **86-2047**

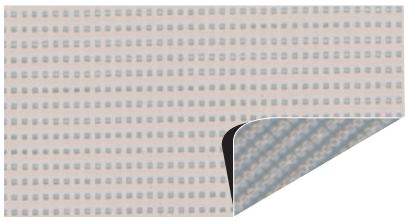


Deep black **86-51176**

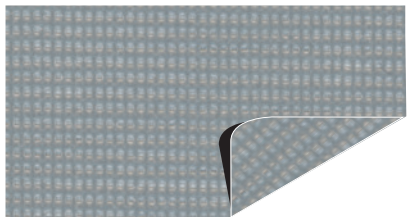
Alu



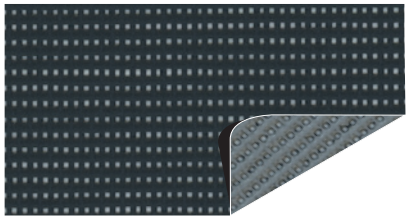
White/Alu **86-2051**



Oat/Alu **86-2046**



Alu/Alu **86-2048**



Anthracite/Alu **86-2068**

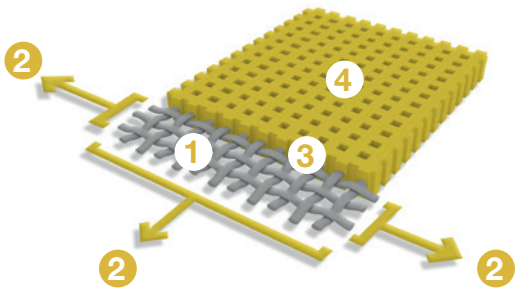
A range of colours to match every kind of project

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) 177 69.7	Width (cm-in) 267 105.1	TS	RS	AS	TV n-h	$g_{tot}{}^{e*}$	$g_{tot}{}^{i*}$
Color									
86-2012		•	•	19	25	56	17	0,08	0,24
86-2043		•	•	15	10	75	14	0,07	0,28
86-2044		•	•	30	58	12	28	0,11	0,15
86-2045		•	•	18	28	54	18	0,08	0,23
86-2047		•	•	16	7	77	16	0,07	0,28
86-2135		•	•	24	38	38	22	0,09	0,21
86-2157		•		25	44	31	21	0,08	0,21
86-2158		•		19	23	58	17	0,08	0,25
86-2166		•		31	46	23	27	0,11	0,21
86-2167		•	•	17	15	68	16	0,07	0,26
86-2171		•	•	21	36	43	19	0,08	0,21
86-2175		•	•	31	55	14	29	0,11	0,16
86-8204		•		30	40	30	21	0,10	0,23
86-8255		•		21	23	56	13	0,07	0,27

		Width (cm-in) 177 69.7	Width (cm-in) 267 105.1	TS	RS	AS	TV n-h	$g_{tot}{}^{e*}$	$g_{tot}{}^{i*}$
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		•		19	23	58	15	0,07	0,27
Alu									
86-2046 A		•	•	23	39	38	22	0,10	0,16
86-2046 B		•	•	23	54	23	22	0,09	0,20
86-2048		•	•	20	39	41	20	0,09	0,20
86-2051 A		•	•	22	41	37	21	0,09	0,13
86-2051 B		•	•	22	61	17	21	0,09	0,20
86-2068 A		•		18	30	52	18	0,08	0,23
86-2068 B		•		18	7	75	18	0,09	0,28

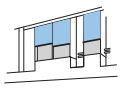
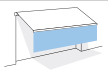
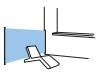
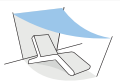
TS	Solar Transmission in %
RS	Solar Reflection in %
AS	Solar Absorption in %
TS + RS + AS	= 100% of the incident energy
TV n-h	Normal Visible light transmission - hemispherical in %
A	Aluminium surface exposed to the sun
B	Colored surface exposed to the sun
$g_{tot}{}^{e}$	External Solar Factor
$g_{tot}{}^{i}$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

* 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	✓	✓
 Awning valance	✓	✓
 Wind shield	✓	✓
 Shade-sail	✓	✓

Soltis 86

	Color	Alu
Technical properties		
Openness 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 strength (warp/weft) EN 17679	45/20 daN • 101/45 lbs	
Environmental properties		
Carbon impact EN 15804 + A2	2.62 kg CO_2 eq/m²	
Fire resistance		
Rating	**B1**/DIN 4102-1 **M1**/UNE 23727 **Class 1**/EN 13773 **Class 1**/UNI 9177 **VKF 5.3**/SN 198898 BS 7837 BS 5867-2 Type B **Schwerbrennbar-Q1-Tr1**/ONORM A 3800-1 NFPA 701 Method 1 & Method 2 CSFM T19 **Class A**/ASTM E84 CAN/ULC S109 AS/NZS 1530.2 & 1530.3	
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 +/-10% tolerance.
The global warming value has been validated by the Bureau Veritas certification company.
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Values quoted in this document are commonly used test results for design purposes. They are given for information only in order to offer our customers optimum usage of our products. Our products are subject to improvements resulting from technical developments and we reserve the right to modify their characteristics at any time. The purchaser of our products is responsible for checking the above data.
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BUITINK TECHNOLOGY Advanced Lightweight Structures

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