

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



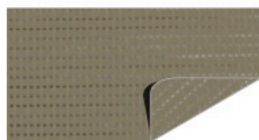
Champagne

86-2175



Sandy beige

86-2135



Pepper

86-2012



Brick

86-51180



Bronze

86-2043



Boulder

86-2171



Moss green

86-2158



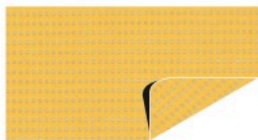
Red

86-8255



Deep red

86-51181



Buttercup

86-2166



Orange

86-8204



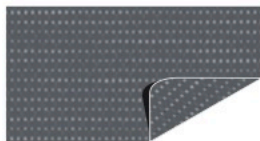
Aniseed

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

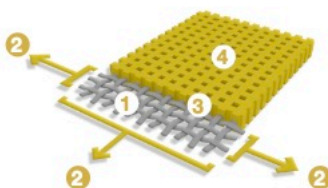
The new Soltis 86 range features colors designed by our design office to complement the building's entire environment (joinery, openings and facades). The colours present tones that match the most common colours (RAL and NCS references).



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-tensile 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_{glaz}	g_{int}
	177 267 69.7 105.1						
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	67	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_{glaz}	External Solar Factor
g_{int}	Indoor Solar Factor

	Width (cm-in)	TS	RS	AS	TV n-h	g_{glaz}	g_{int}
	177 267 69.7 105.1						
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		16	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_{glaz} .
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/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) DIN 53.363	45/20 daN • 101/45 lbs	
Environmental properties		
Carbon impact EN 15804 + A1	2.22 kg CO ₂ eq/m²	
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		
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.
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.