SOLTIS
86

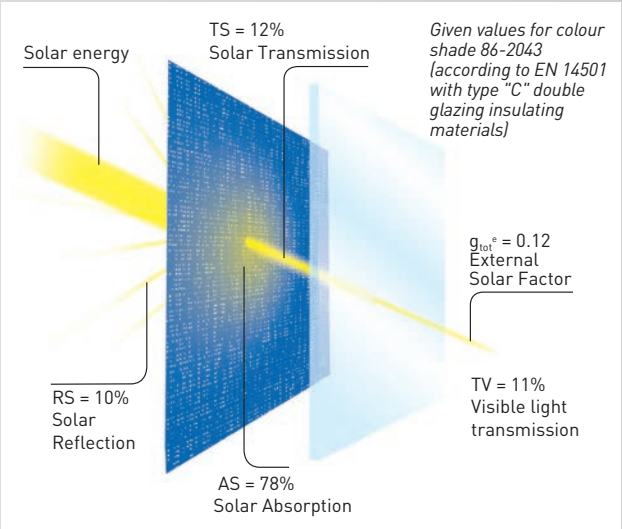
Serge Ferrari

MAIN FEATURES

- Perfect compromise between thermal protection and visual comfort
- Excellent outward visibility
- Weather and UV resistance
- Lightweight, durable and 100% recyclable

APPLICATIONS

- Facade blinds
- Conservatory and glassroof blinds
- Shadesails



Installed externally, Soltis 86 blocks up to 88% of the solar radiation

Thermal protection and light control

Soltis 86 offers a mesh opening, ideal for combining:

- efficient solar protection,
- sufficient natural light contribution to ensure occupier well-being.

Soltis 86 therefore plays a full part in:

- building thermal control,
- creating pleasant, appropriate light environments.

Custom fabricated Soltis retractable screen

Seamless large dimensions possible

Matchless transparency

Soltis 86's micro-ventilated texture ensures:

- excellent visual contact with the exterior: the view is not hidden,
- visual comfort appreciated in many architectural situations.

Colour harmony for combining blinds, textile facades and permanent awnings

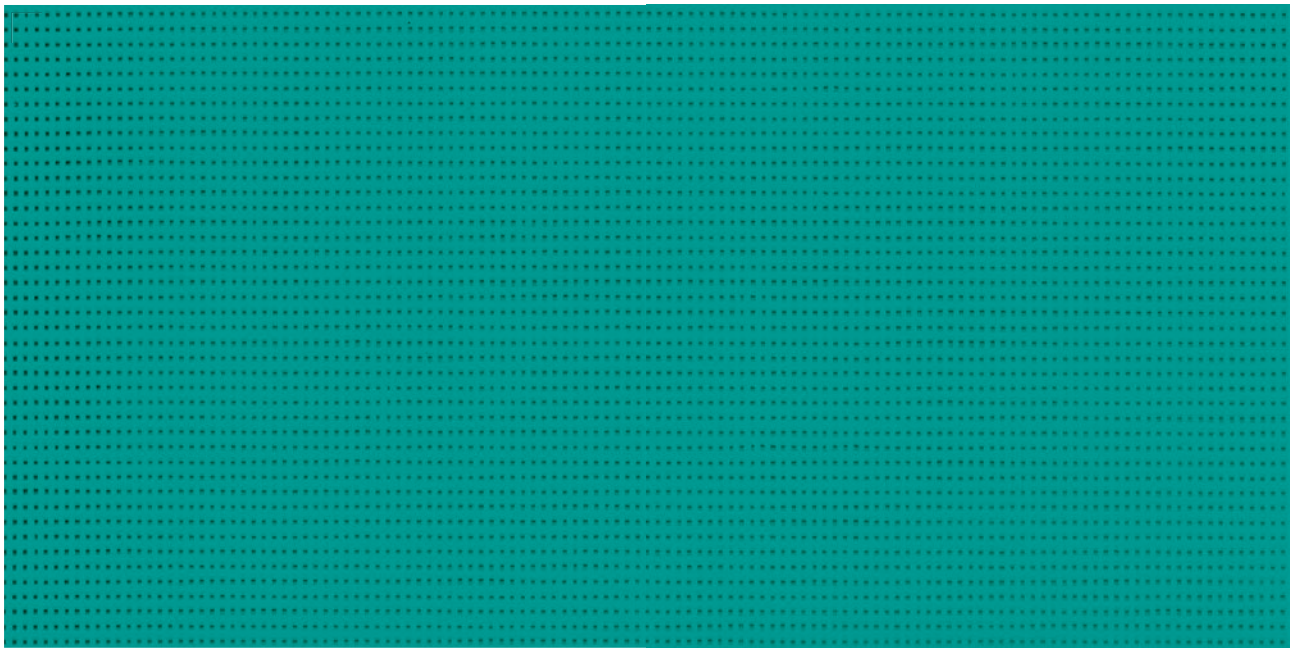
Harmonised ranges

All Soltis 86 colours are coordinated with Soltis 92 to:

- coordinate all facades of a building,
- satisfy visual comfort requirements for each facade orientation,
- regulate thermal protection to provide energy savings.

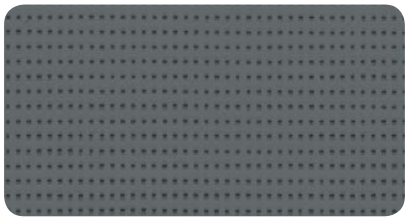
SOLTIS 86

The colours and textures represented in this document are provided as a reference only.

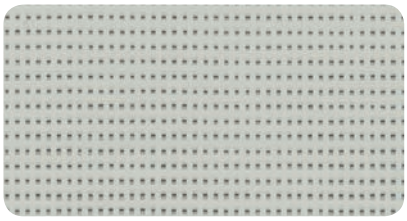


Intense turquoise 86-50271

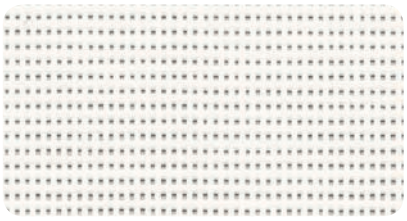
Emerging colours



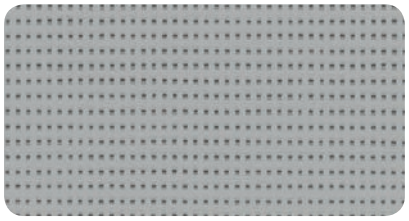
Concrete 86-2167



Boulder 86-2171*



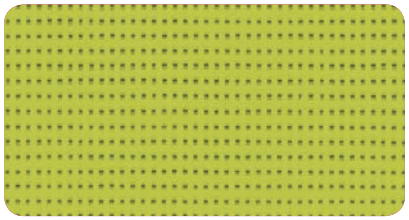
White NF 86-2044*



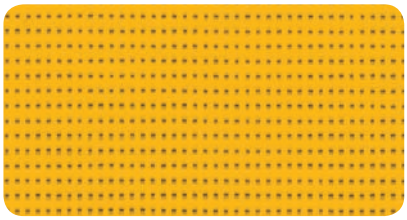
Alu/Alu NF 86-2048

Alu/Oat NF 86-2046*

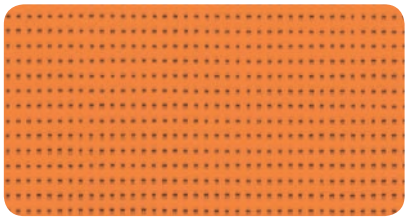
Design illusion



Bamboo 86-50333



Buttercup 86-2166

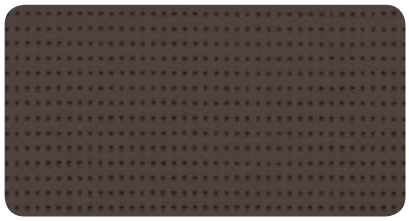


Orange 86-8204

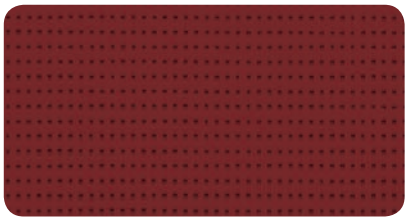
Plum 86-50336

* Also available in 267 cm width

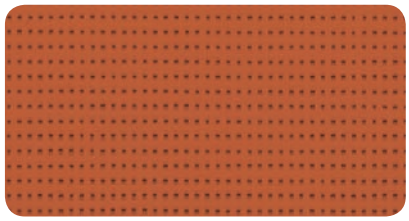
Evolving with time



Bronze NF 86-2043*

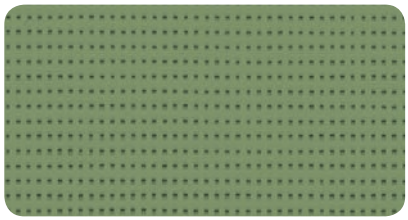


Muscat 86-50260



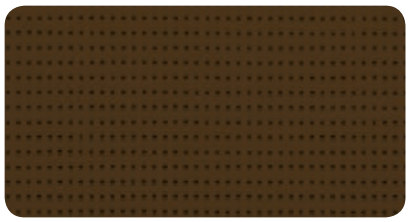
Caramel 86-50261

Intense turquoise 86-50271

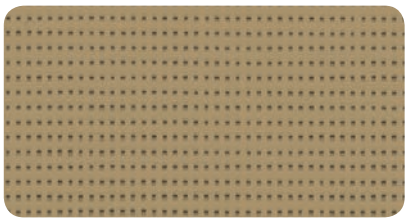


Moss green 86-2158

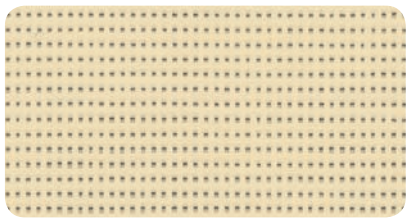
Body language



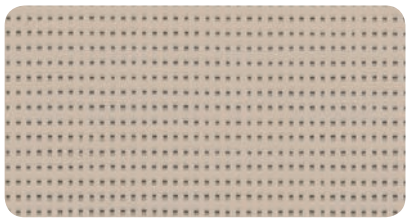
Cocoa 86-2148



Pepper 86-2012*

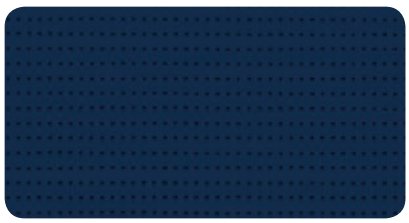


Champagne 86-2175



Sandy beige 86-2135*

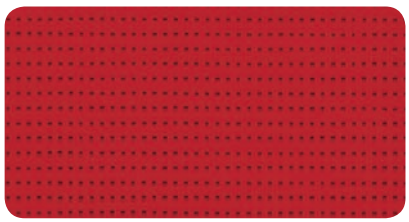
Distinction



Navy 86-50342

Midnight blue 86-2161

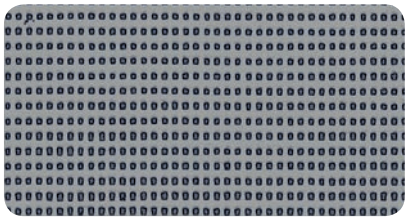
Dark teal 86-50264



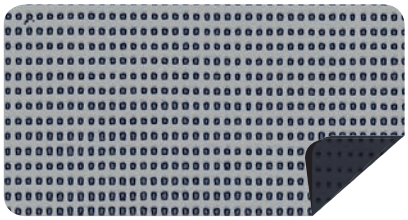
Red 86-8255

Black NF 86-2053*

Anthracite NF 86-2047*

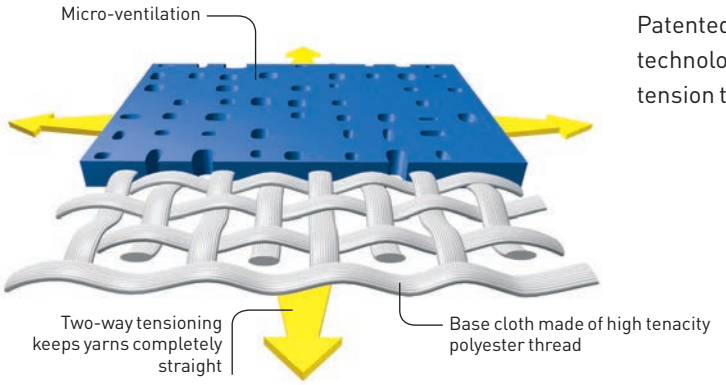


Beaten-metal NF 86-2045*



Alu/Anthracite 86-2068

Exclusive **Précontraint Serge Ferrari®** technology



Patented worldwide, Précontraint Serge Ferrari® technology involves keeping the composite under tension throughout the manufacturing cycle.

Strength characteristics	Benefits
• Exceptional dimensional stability	• **No material deformation during installation or usage**
• Long-term strength	• **No elongation, tear resistant**
• Greater coating thickness at the top of the yarns	• **Long-term strength and aesthetic quality** • **Thinness**
• Exceptional flatness	• **Smooth finish, easy maintenance** • **Compactness, easy rolling**

NF Toiles certification

- The French "NF Toiles" label guarantees that Soltis 86 maintain a high level of quality and homogeneity.
- Certified references meet thermo-optical, strength and durability requirements stipulated for the "NF Toiles" label.
- Certification application pending for new colours (solar and light properties quoted provisionally).

Solar and light properties (EN 14501)

References		TS	RS	AS	TV n-h	TV n-n	g_{tot}^{e}	g_{tot}^{i}	NCS Codification
86-2012		18	27	55	17	16	0.15	0.48	S 4010 Y 30 R
86-2043		12	10	78	11	13	0.12	0.53	-
86-2044		32	59	9	30	14	0.21	0.38	S 0500 N
86-2045		14	29	57	14	13	0.12	0.47	-
86-2046	A	21	43	36	20	14	0.16	0.43	-
86-2046	B	19	58	23	19	14	0.14	0.38	-
86-2047		16	7	77	16	15	0.14	0.54	-
86-2048		22	42	36	22	16	0.17	0.43	-
86-2053		15	5	80	15	13	0.14	0.54	S 8500 N
86-2068	A	16	35	49	15	15	0.13	0.45	-
86-2068	B	16	7	77	15	15	0.14	0.54	-
86-2135		20	41	39	20	16	0.15	0.43	S 2005 Y 50 R
86-2148		14	13	73	14	13	0.13	0.52	S 7010 Y 30 R
86-2158		15	25	60	14	12	0.13	0.48	S 4020 G 30 Y
86-2161		16	17	67	14	14	0.14	0.51	S 5040 R 80 B
86-2166		30	45	25	26	15	0.21	0.42	S 0570 Y 10 R
86-2167		15	17	68	14	13	0.13	0.51	S 6005 R 80 B
86-2171		19	39	42	17	14	0.15	0.44	S 2502 B
86-2175		28	57	15	26	14	0.19	0.39	S 0505 Y 20 R
86-8204		27	41	32	19	14	0.19	0.44	S 0585 Y 40 R
86-8255		23	24	53	17	16	0.18	0.49	S 1580 Y 90 R
86-50260		15	13	72	14	13	0.14	0.52	S 5040 R
86-50261		21	35	44	15	14	0.16	0.45	S 3050 Y 60 R
86-50264		17	11	72	16	16	0.15	0.52	S 6030 B 30 G
86-50271		21	34	45	15	14	0.16	0.46	-
86-50333		22	32	46	19	15	0.17	0.46	S 2070 G 70 Y
86-50336		19	15	66	15	14	0.16	0.51	S 7020 R 30 B
86-50342		16	9	75	14	14	0.14	0.53	S 2020 R 80 B

A: Aluminium face exposed to the sun
B: Coloured face exposed to the sun

TS: Solar Transmission (%)
RS: Solar Reflection (%)
AS: Solar Absorption (%)
TS + RS + AS = 100% of incident energy
g_{tot}^{e}: External solar factor
g_{tot}^{i}: Internal Solar Factor
Type "C" glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; argon-filled).

TV n-h: Normal-hemispherical visible light transmission (%)
TV n-n: Normal-normal visible light transmission (%)

SOLTIS 86

Technical properties	Soltis 86	Standards
Weight	380 g/m²	EN ISO 2286-2
Thickness	0.43 mm	
Width	177 cm - 267 cm	
Length of rolls		
Standard format length in 177 cm	50 lm	
Standard format length in 267 cm	40 lm	
Physical properties		
Tensile strength (warp/weft)	230/160 daN/ 5 cm	EN ISO 1421
Tear strength (warp/weft)	45/20 daN	DIN 53.363
Fungistatic treatment	Degree 0, excellent	EN ISO 846-A
Flame retardancy		
Rating	**B1**/DIN 4102-1 • BS 7837 • BS 5867 • **Schwerbrennbar-Q1-Tr1**/ONORM A 3800-1 • **Classe 1**/UNI 9177-87 • **M1**/UNE 23.727-90 • **VKF 5.2**/SN 198898 • 1530.3/**AS**/NZS • **G1**/GOST 30244-94 • **Method 1**/NFPA 701 • CSFM T19 • **Class A**/ASTM E84	
Euroclass	**B-s2,d0/**EN 13501-1	
Management systems		
for Quality		ISO 9001
for the Environment		ISO 14001
Certifications, labels, guarantees, recycling		

Motorized retractable exterior screen absorb heat, reduce glare and block the sun, provide rain protection, reduce wind speed to create your ideal ambiance. Motorized retractable screen provide a comfortable interior by blocking solar rays, which protects your furnishings, reduces glare and also saves money on cooling costs. Motorized exterior screens can also be used in places such as windows, doors, and especially larger openings in porch to create a pleasant and pest-free outdoor area to enjoy.
We use the best material available with quality fabrication using High Frequency (HF) Radio Frequency (RF) welding is the joining of Ferrari textile materials by supplying HF energy in the form of an electromagnetic field (27.12 MHz) and pressure to the material surfaces to be joined. A generator produces the energy. The tool used to supply the energy is called an electrode. The electrical energy causes the molecules within the material to start moving, which generates heat that causes the material to soften and thereby fuse together. No outside heat is applied. It is instead generated within the material. After cooling the welded surface under maintained pressure, the material is fused and a weld has been created. The weld seam can be at least as strong as the surrounding material – or even stronger. Contact us at http://flshutters.com/
Retractable solar screen, exterior screen and exterior shade.

Serge Ferrari