

SOLTIS

86



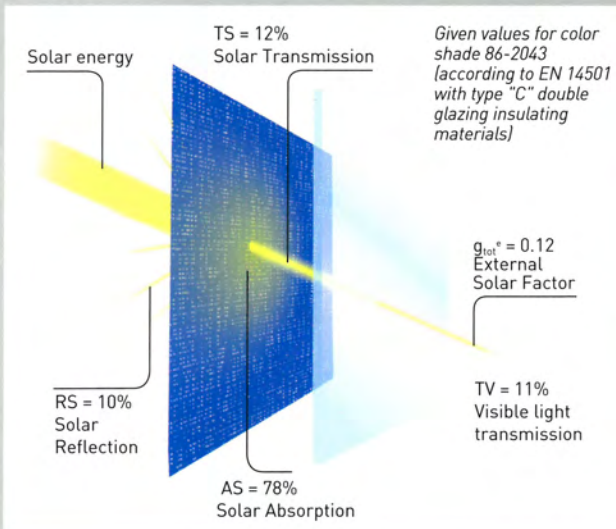

Serge Ferrari

MAIN FEATURES

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

APPLICATIONS

- Solar Screens
- Skylight Shades
- Shadesails
- Awnings
- Retractable



Thermal protection and light control

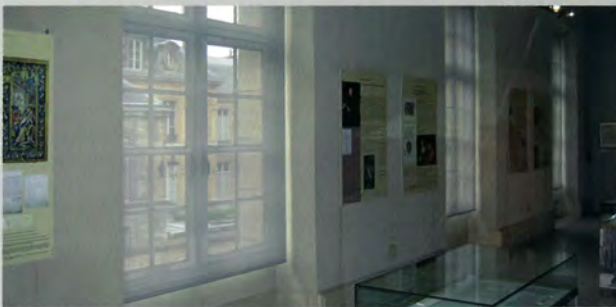
Soltis 86 offers a mesh opening, ideal for combining:

- 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,
- energy reduction.

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



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.



Color harmony for combining blinds, textile facades and permanent awnings

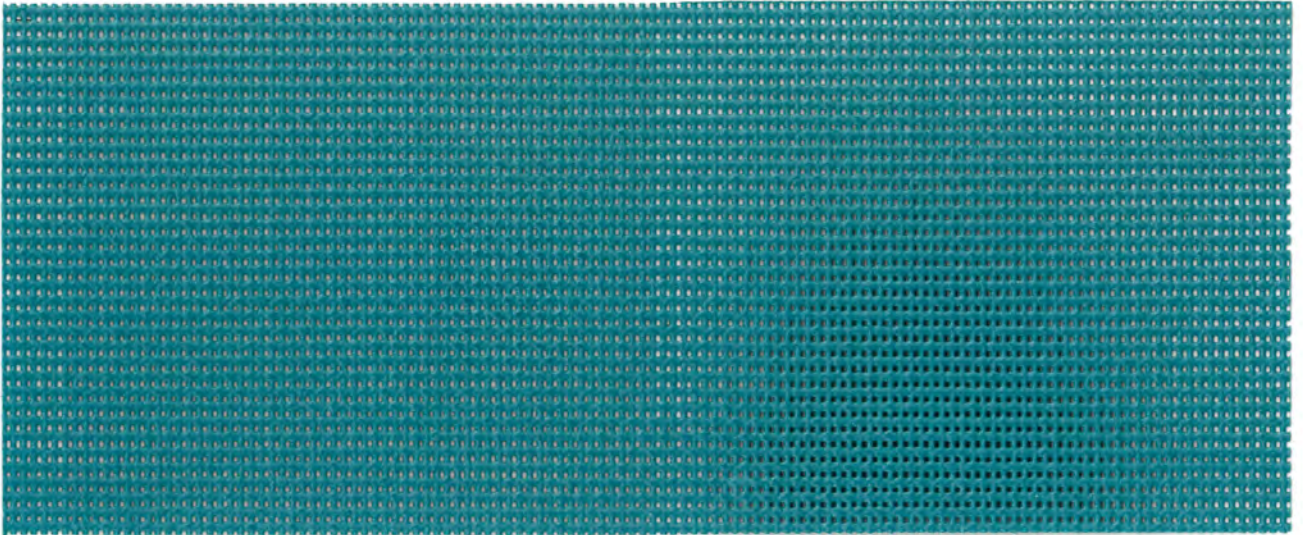
Harmonized ranges

All Soltis 86 colors 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

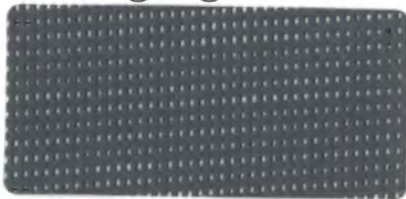
86



Intense turquoise

86-50271

Emerging colors



Concrete

86-2167




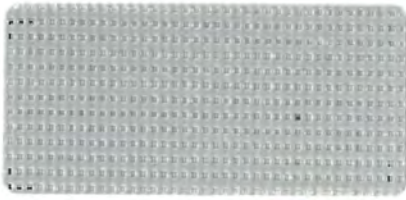
Boulder

86-2171*




White

 86-2044*




Alu/Alu

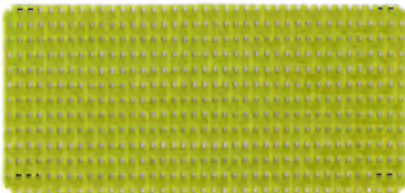
 86-2048



Alu/Oat

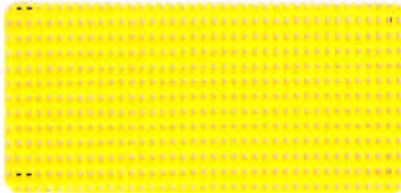
 86-2046*

Design illusion



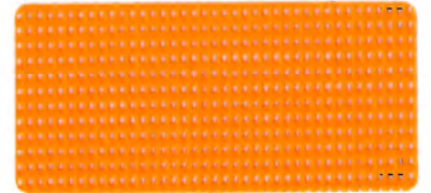
Bamboo

86-50333



Buttercup

86-2166



Orange

86-8204



Plum

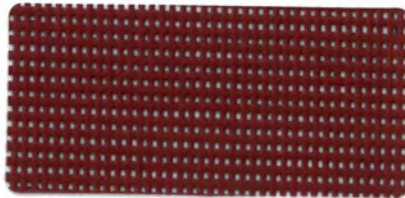
86-50336

* Also available in 105.1 inches width

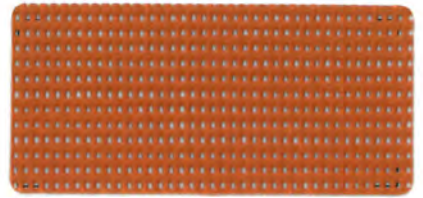
Evolving with time



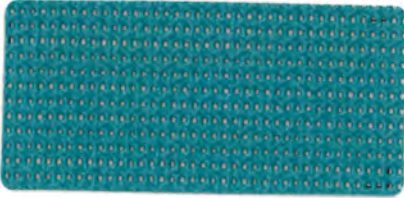
Bronze  86-2043*



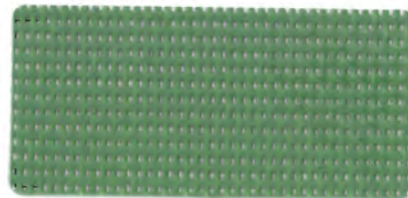
Muscat 86-50260



Caramel 86-50261

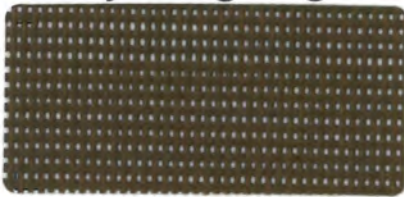


Intense turquoise 86-50271

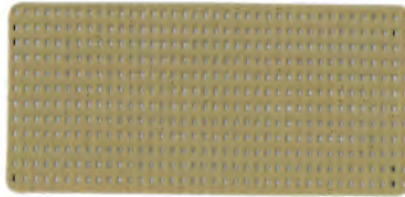


Moss green 86-2158

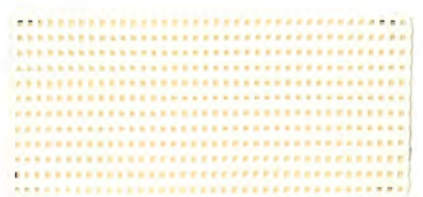
Body language



Cocoa 86-2148



Pepper 86-2012*



Champagne 86-2175

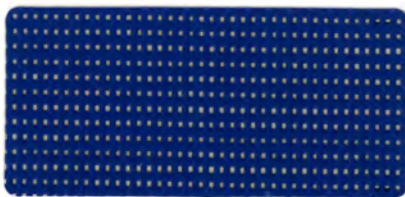


Sandy beige 86-2135*

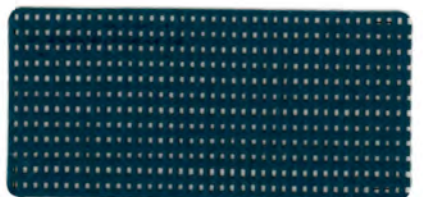
Distinction



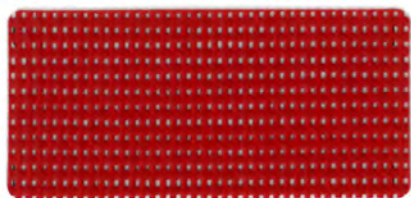
Navy 86-50342



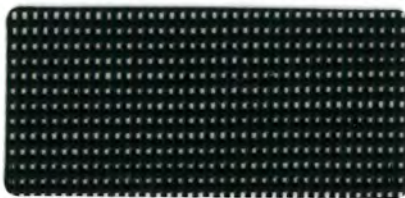
Midnight blue 86-2161



Dark teal 86-50264



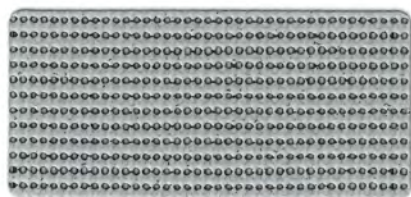
Red 86-8255



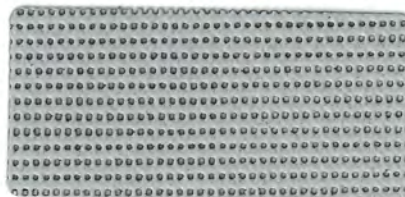
Black  86-2053*



Anthracite  86-2047*

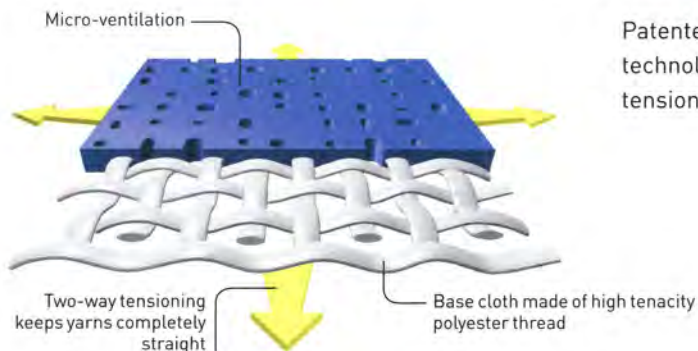


Beaten-metal  86-2045*



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

- Exceptional dimensional stability
- Long-term strength
- Greater coating thickness at the top of the yarns
- Exceptional flatness
- Thinness
- Flexibility

Benefits

- No material deformation during installation or usage
- No elongation, tear resistant
- Long-term strength and aesthetic quality
- Smooth surface, easy upkeep
- Easy rolling
- Space saving
- Easy to handle and install

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 colors (solar and light properties quoted provisionally).



Solar and light properties (EN 14501)

References	TS	RS	AS	TV _{n-h}	TV _{n-n}	g _{ext} **	g _{int} †	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: Colored face exposed to the sun

TS: Solar Transmission (%)
RS: Solar Reflection (%)
AS: Solar Absorption (%)
TS + RS + AS = 100% of incident energy
g_{ext}†: External solar factor
g_{int}†: Internal Solar Factor
 Type "C" glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; argon-filled - g=0.59 - U=1.2).

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

Technical properties	Soltis 86	Standards
Weight	11.2 oz/sqyd	EN ISO 2286-2
Thickness	430 microns	
Width	69.7 inches - 105.1 inches	
Length of rolls		
Standard format length in 69.7 inches wide	54.68 yds	
Standard format length in 105.1 inches wide	43.74 yds	
Physical properties		
Tensile strength (warp/weft)	230/160 daN/ 5 cm	EN ISO 1421
Tear strength (warp/weft)	45/20 daN	DIN 53.363
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
Certifications, labels, guarantees, recycling		



- ACV and FDES (Health and Environmental Datasheet) available on request
- Personalised service for simulating your project's thermal performance and related Soltis solar protection systems: please contact your Serge Ferrari representative

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.