

High View-Through
and Natural Light



Indoor & Outdoor Use:

Roller shade, shade sails, retractable shades, pergolas, skylight shades, drop-arm awnings



■ **Highest view-through**

Soltis® Horizon 86 offers excellent outward visibility so the view can be enjoyed even when shades are closed. It effectively blocks up to 85% of the heat when installed on the outside of a building.

■ **Maximum daylighting**

Soltis Horizon 86 provides more natural light, contributing to significant benefits:

- saves energy by requiring less artificial light
- improves health, well-being and productivity

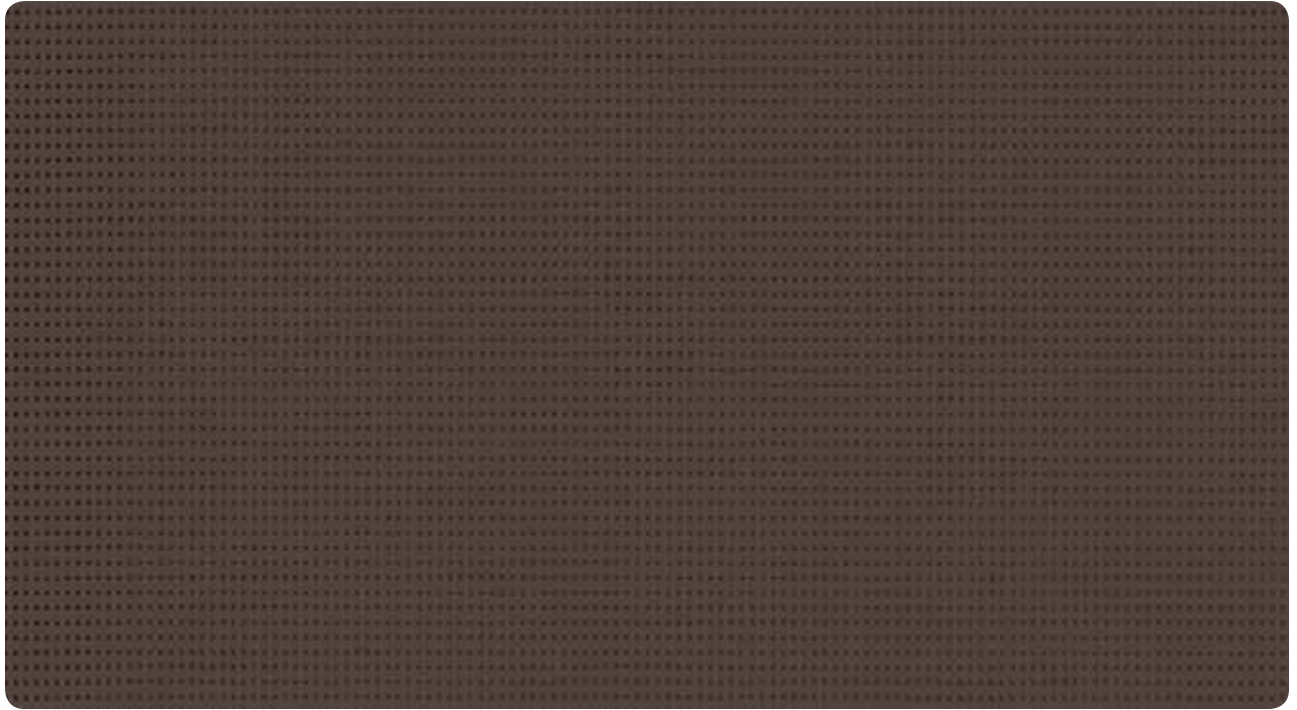
■ **Coordinated ranges**

All Soltis Horizon 86 colors coordinate with Soltis Perform 92 to:

- coordinate all facades of a building
- ensure ideal visual comfort of all facade orientations
- adjust thermal protection to maximize energy savings

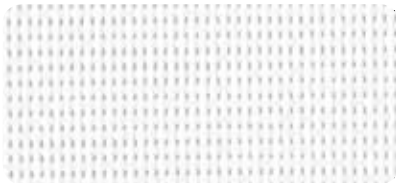
Almost invisible solar protection with glare and temperature control





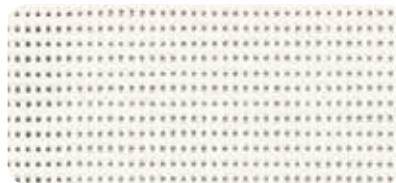
Bronze 69.6 in — 105.1 in

86-2043



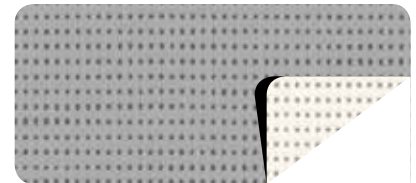
Snow white 105.1 in

86-50690



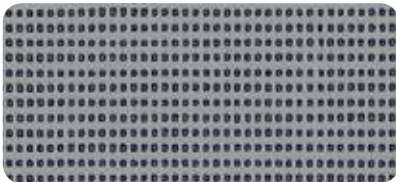
White 69.6 in — 105.1 in

86-2044



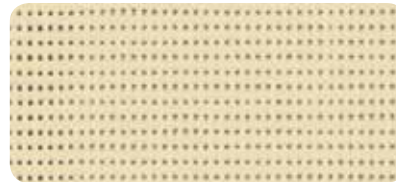
Alu/White 69.6 in — 105.1 in

86-2051



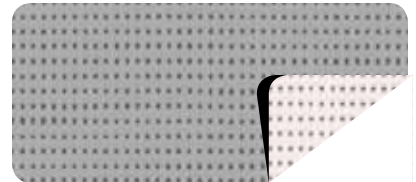
Beaten-metal 69.6 in — 105.1 in

86-2045



Champagne 69.6 in — 105.1 in

86-2175



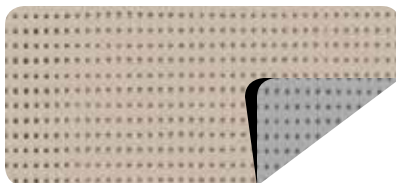
Alu/Oat 69.6 in — 105.1 in

86-2046



Concrete 69.6 in — 105.1 in

86-2167



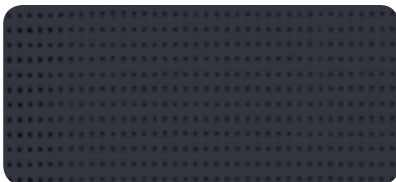
Sandy beige 69.6 in — 105.1 in

86-2135



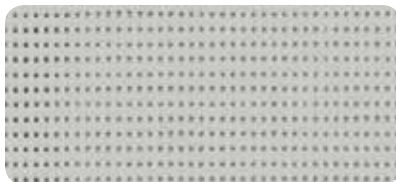
Alu/Alu 69.6 in — 105.1 in

86-2048



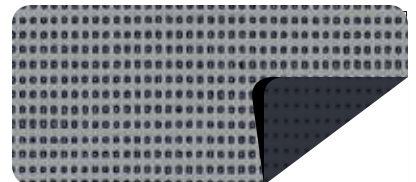
Anthracite 69.6 in — 105.1 in

86-2047



Boulder 69.6 in — 105.1 in

86-2171

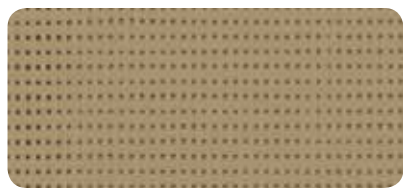


Alu/Anthracite 69.6 in

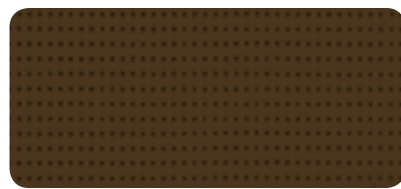
86-2068



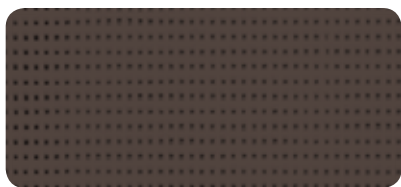
Black 69.6in — 105.1in 86-2053



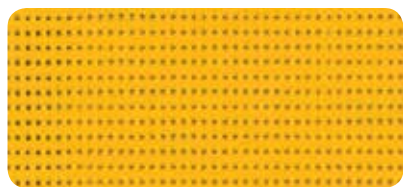
Pepper 69.6in — 105.1in 86-2012



Cocoa 69.6in 86-2148



Bronze 69.6in — 105.1in 86-2043



Buttercup 69.6in 86-2166



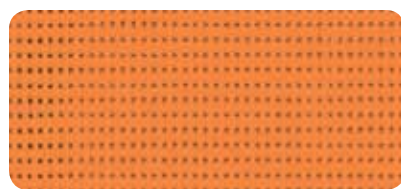
Red 69.6in 86-8255



Muscat 69.6in 86-50260



Caramel 69.6in 86-50261



Orange 69.6in 86-8204



Moss green 69.6in 86-2158



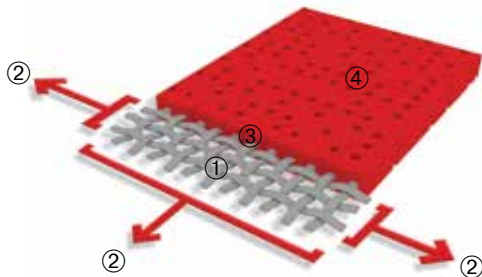
Bamboo 69.6in 86-50333



Midnight blue 69.6in 86-2161

■ Exclusive Précontraint® technology

Patented worldwide, the Précontraint® technology by Serge Ferrari involves keeping the composite under tension throughout the manufacturing process. This gives our materials exceptional performance that enables them to surpass market standards in terms of dimensional stability, mechanical strength, coating thickness and flatness.



High-tenacity polyester micro-yarn base cloth	①	Superior elongation and tear resistance
A coating with fabrics under bi-axial constant tension in both warp and weft directions	②	No deformation during processing and use
Thicker coating at the top of the yarns and a dirt resistant surface treatment	③	Superior aesthetic and mechanical durability
Exceptional flatness and thinness	④	Smooth easy to clean finish, space saving, easy rolling

■ Solar and light properties (EN 14501)

		Width (in)		TS	RS	AS	TV n-h	TV n-n	EN 13363-1* Type "C" glazing		EN13363-2** Type "D" glazing	
		69.6	105.1						g_{tot}^e	g_{tot}^i	g_{tot}^e	g_{tot}^i
		86-2012							•	•	18	27
86-2043		•	•	15	11	74	15	15	0.16	0.53	0.07	0.28
86-2044		•	•	29	59	12	28	15	0.20	0.38	0.11	0.15
86-2045		•	•	16	29	55	16	16	0.15	0.48	0.08	0.23
86-2046	A	•	•	22	40	38	21	16	0.18	0.44	0.10	0.16
86-2046	B	•	•	22	55	23	21	16	0.17	0.39	0.09	0.20
86-2047		•	•	17	7	76	17	16	0.18	0.55	0.07	0.28
86-2048		•	•	19	39	42	19	15	0.16	0.44	0.09	0.20
86-2051	A	•	•	20	40	40	20	15	0.17	0.44	0.09	0.13
86-2051	B	•	•	20	60	20	20	15	0.15	0.38	0.09	0.20
86-2053		•	•	14	5	81	14	14	0.16	0.55	0.07	0.29
86-2068	A	•		17	31	52	17	17	0.16	0.47	0.08	0.23
86-2068	B	•		17	7	76	17	17	0.18	0.55	0.09	0.28
86-2135		•	•	24	39	37	22	17	0.19	0.45	0.09	0.21
86-2148		•		17	13	70	17	15	0.17	0.53	0.07	0.27
86-2158		•		18	25	57	16	15	0.17	0.49	0.08	0.25
86-2161		•		22	21	57	16	15	0.20	0.50	0.07	0.27
86-2166		•		31	45	24	28	15	0.23	0.43	0.11	0.21
86-2167		•	•	17	14	69	17	15	0.17	0.53	0.07	0.26
86-2171		•	•	22	36	42	20	16	0.18	0.46	0.08	0.21
86-2175		•	•	30	57	13	28	16	0.21	0.39	0.11	0.16
86-8204		•		29	41	30	21	15	0.22	0.44	0.10	0.23
86-8255		•		21	24	55	14	12	0.19	0.49	0.07	0.27
86-50260		•		15	13	72	14	13	0.16	0.53	0.07	0.28
86-50261		•		20	27	53	7	15	0.18	0.48	0.07	0.25
86-50333		•		22	32	46	19	15	0.19	0.47	0.08	0.24
86-50690			•	29	59	12	28	15	0.20	0.38	0.11	0.15

A: Aluminum 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

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

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

g_{tot}^* : External solar factor

g_{tot}^i : Internal solar factor

***Simplified method
EN 13363-1**





The transmission and reflection values above are based on the integrated values of the glass combined with the screen. These are used to calculate the g_{tot} value. Type "C" glazing is double glazing and insulated with low emissivity in position 3 (4 + 16 + 4; Argon-filled) $g = 0.59 - U = 1.2$.

****Detailed method
EN 13363-2**

The transmission and reflection values above are based on the integrated values of the glass combined with the screen. These are used to calculate the g_{tot} value. Type "D" glazing is double glazing and insulated with low emissivity in position 2 (4 + 16 + 4; Argon-filled) $g = 0.32 - U = 1.1$.

Soltis

Horizon 86

	■ Technical properties	Standards
Openness factor	14%	
Weight	11.2 oz/yd ²	EN ISO 2286-2
Thickness	0.45 mm	
Width	69.6 in - 105.1 in	
■ Length of rolls		
Standard length in 69.6 in	54.6 yds	
Standard length in 105.1 in	43.7 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	Method 1/NFPA 701 — Class A/ASTM E84 — CSFMT19 — B1/DIN 4102-1 — BS 7837 — BS 5867 — Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 — Class 1/UNI 9177-87 — M1/UNE 23.727-90 VKF 5.2/SN 198898 — 1530.3/AS/NZS — G1/GOST 30244-94	
Euroclass	B-s2,d0	EN 13501-1
■ Management systems		
Quality	ISO 9001	
■ Certifications, labels, warranties, recycling		
    With S+ Serge Ferrari goes further than the standards. (Consult us for further information.)		
■ Tools and services		
<ul style="list-style-type: none"> — LCA and FDES (Health and Environmental Datasheet) available on request — Personalized service for simulating your project's thermal performance and related Soltis solar protection systems: please contact your Serge Ferrari representative — Tool for evaluating energy savings generated by Soltis solar protection systems: www.textinergie.org — Document and photo libraries: www.sergeferrari.com 		

The technical data above are averaged values with a +/- 5% tolerance.

The buyer of our products is fully responsible for their application and their transformation with regard to any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, workmanship and safety regulations in force in destination countries. For information on our contractual warranty, please refer to the relevant terms and conditions.

The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes based on technical advances and we reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

For metallic and interferential colors, a difference in shade may be observed in different roll widths for the same reference: small width (69.6 in) and large width (105.1 in). We advise strongly against combined assembly of these.