

Serge Ferrari

Soltis
Lounge 96

Contemporary, cooling
and natural light



Outdoor application

Retractable awnings, conservatory blinds, vertical blinds, pergolas, velums and shade sails.



■ A breathable membrane

The micro-perforations of Soltis Lounge 96 allows air circulation. Heat is naturally dissipated thus avoiding the greenhouse effect.

■ A feeling of freedom

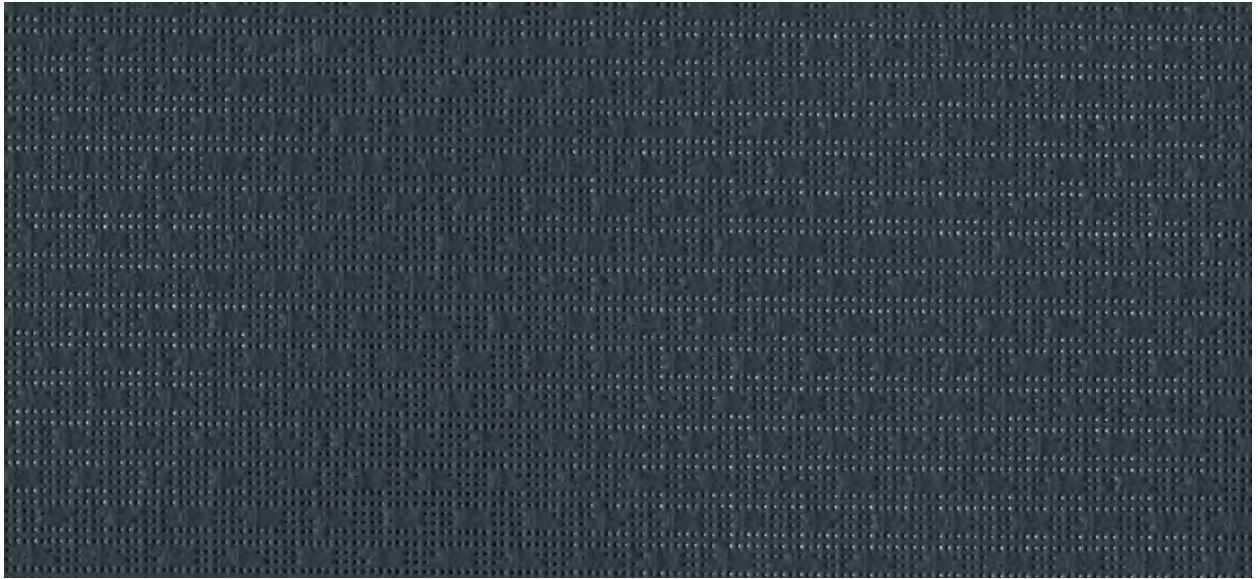
The perforated aspect of Soltis Lounge 96 allows you to take full advantage of natural light, even in the house, without being dazzled. It allows to enjoy the outside view, even when the blind is deployed.

■ Durable aesthetics

- Soltis Lounge 96 unique visibility properties differentiate it from competitors and give it an inimitable contemporary dimension.
- It ensures long-term structural aesthetics:
 - rigorous selection of quality pigments ensuring long-term UV colorfastness
 - its smooth surface does not retain dirt and facilitates cleaning.

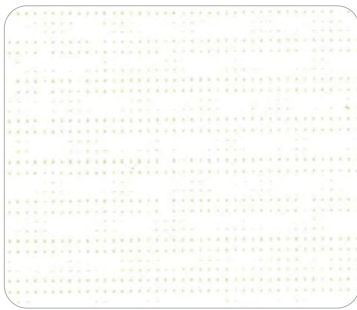
The optimized screen
to create attractive outdoor
places to live





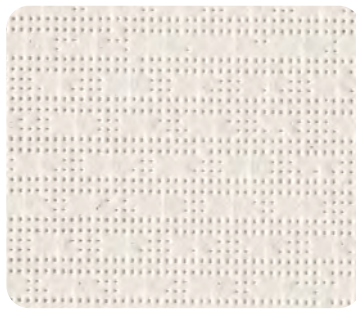
Anthracite 120 cm — 267 cm

96-2047*



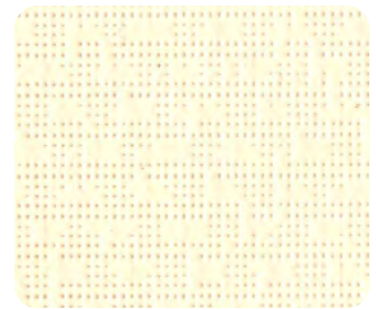
White 120 cm — 267 cm

96-8102*



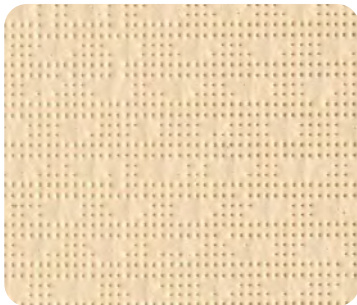
Shea 120 cm — 267 cm

96-50843



Off white 120 cm — 267 cm

96-1103*



Sand 120 cm — 267 cm

96-8861*



Sandy beige 120 cm — 267 cm

96-2135



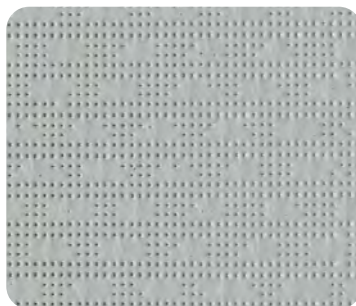
Taupe 120 cm — 267 cm

96-50850



Cloud 120 cm — 267 cm

96-50272



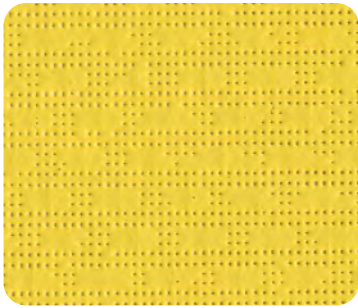
Boulder 120 cm — 267 cm

96-2171*

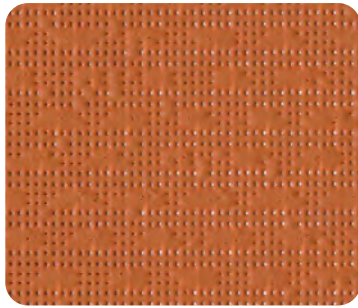


Platinum 120 cm — 267 cm

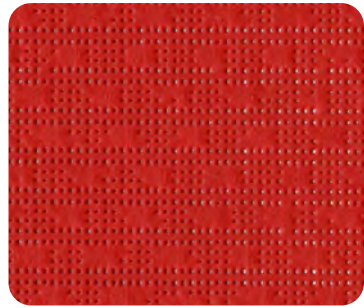
96-50844



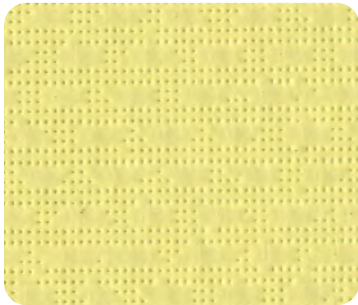
Aureolin 120 cm — 267 cm 96-50845



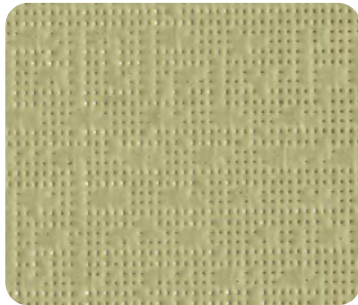
Caramel 120 cm — 267 cm 96-50261



Red 120 cm — 267 cm 96-8255



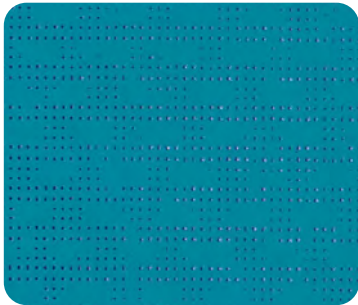
Citrus 120 cm — 267 cm 96-50846



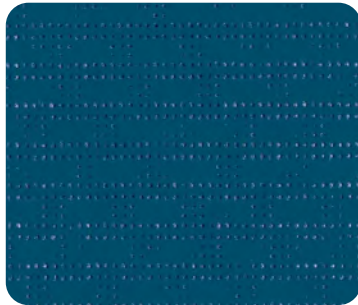
Lime 120 cm — 267 cm 96-50848



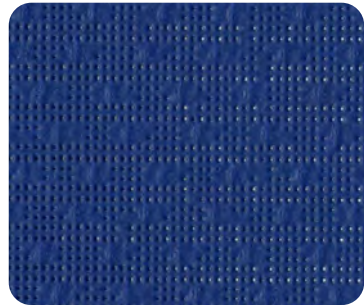
Jungle 120 cm — 267 cm 96-50849



Acapulco 120 cm — 267 cm 96-50847



Atlantis 120 cm — 267 cm 96-50851



Midnight blue 120 cm — 267 cm 96-2161



Bronze 120 cm — 267 cm 96-2043



Anthracite 120 cm — 267 cm 96-2047*



Black 120 cm — 267 cm 96-8450

* Colors available in Soltis W96 waterproof version

■ Soltis Lounge 96 & Soltis Proof W96: a comprehensive solution

Soltis Proof W96 is the waterproof version of Soltis Lounge 96 and is ideal for projects requiring protection against bad weather.



W96-8102



W96-1103



W96-8861



W96-2171



W96-2047

Soltis

Lounge 96

■ Technical properties

		Standards
Openness factor	4%	
Weight	400 g/m ² — 11.8 oz/sqyd	EN ISO 2286-2
Thickness	0.45 mm — 450 microns	
Width	120 cm - 267 cm — 47.2 in. - 105.1 in.	

■ Length of rolls

Standard format length	40 lm — 43.74 yds	
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■ Physical properties

Tensile strength (warp/weft)	220/220 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	30/25 daN	DIN 53.363

■ Flame retardancy

Rating	M2	NFP 92-507
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■ Management systems

Quality		ISO 9001
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■ Certifications, labels, warranties



With **S+** Serge Ferrari goes further than the standards...
(consult us for further information)

■ Tools and services

- Personalised 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 average values with a +/- 5% tolerance.

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

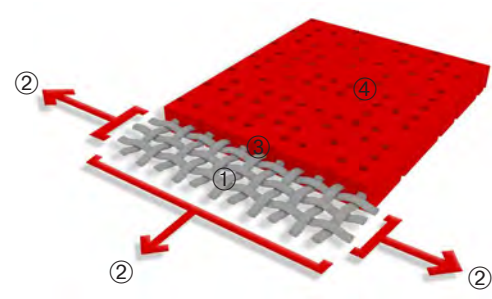
The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes prompted by technological developments. We reserve the right to modify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

Soltis and Piecontraint are Serge Ferrari registered trademarks
Ref 9185 - 11 - 2019/V1.02 - 3,00 euros

EN

■ Exclusive Précontraint® technology

Patented worldwide, the Précontraint® Serge Ferrari technology involves keeping the composite under tension throughout the manufacturing cycle. It gives our materials exceptional performance that enable 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
Greater 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 finish easy to clean, space saving, easy rolling

■ Solar and light properties (EN 14501)

			TS	RS	AS	TV n-h
96-8102	White		21	70	9	19
96-50843	Shea		15	57	28	12
96-1103	Off white		21	64	15	18
96-8861	Sand		17	60	23	11
96-2135	Sandy beige		16	55	29	7
96-50272	Cloud		12	53	35	9
96-2171	Boulder		11	49	40	5
96-50850	Taupe		8	30	62	6
96-2043	Bronze		5	11	84	5
96-50849	Jungle		6	14	80	5
96-8255	Red		17	37	46	5
96-50261	Caramel		10	30	60	6
96-50845	Aureolin		12	47	41	8
96-50846	Citrus		16	51	33	15
96-50848	Lime		12	37	51	10
96-50847	Acapulco		11	33	56	5
96-50851	Atlantis		14	29	57	5
96-2161	Midnight blue		13	30	57	4
96-50844	Platinum		7	24	69	5
96-2047	Anthracite		5	8	87	4
96-8450	Black		4	7	89	4

TS: Solar Transmission (%)

RS: Solar Reflection (%)

AS: Solar Absorption (%)

TS + RS + AS = 100% of incident energy

TVn-h: Normal-hemispherical visible light transmission (%)

Optimized light control



Interior applications

Roller shades, vertical shades, skylight shades
and sliding panel shades



■ Combatting glare

The aluminum side offers maximum visual comfort to people working on computers through

- uniform light diffusion
- natural light preserved without glare.

■ Optimizing comfort

- Soltis Master 99's white side meets both visual and thermal comfort requirements
- Its dark side provides excellent outward visibility
- Its highly reflective white side protects users from heat.

■ The importance of design

Soltis Master 99 is also available with both sides in the same color for a look that seamlessly integrates into environments where design and simplicity are paramount.

Performance dedicated
to comfort and design



Serge Ferrari

Soltis

Master 99 & BV99

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

Color / Alu



Light grey 177 cm — 267 cm

99-2058

Color / Color



Spume 177 cm — 267 cm

99-50301

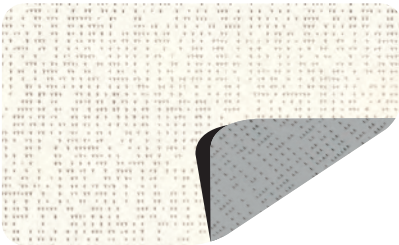
Color / White



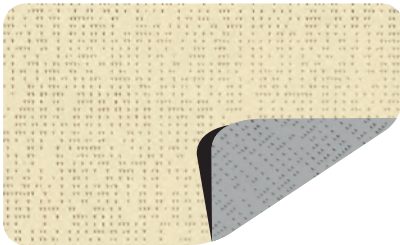
Black 177 cm

99-2115

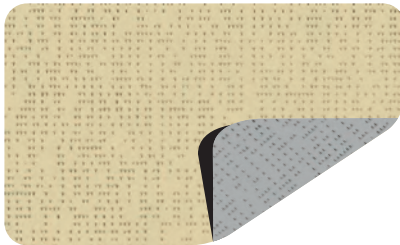
Color / Alu



White 177 cm — 267 cm 99-2055



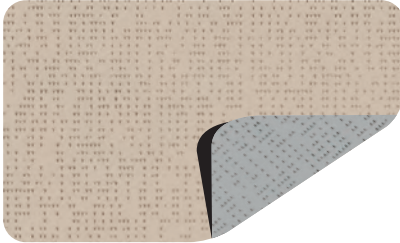
Quartz 177 cm — 267 cm 99-50285



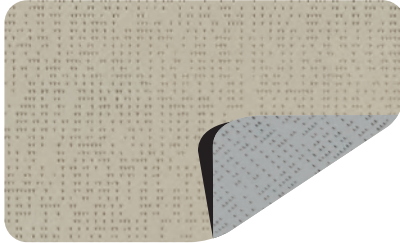
Hemp 177 cm 99-50287



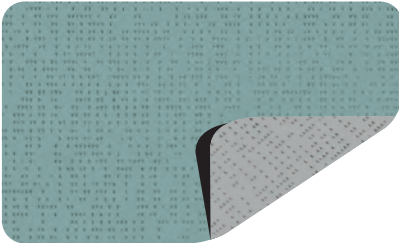
Spume 177 cm 99-50284



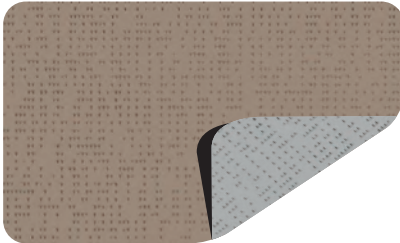
Sandy beige 177 cm — 267 cm 99-50286



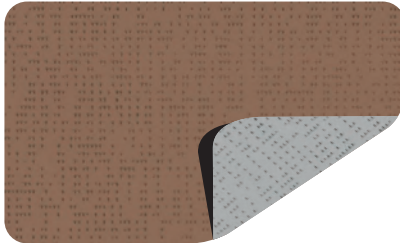
Clay 177 cm 99-50288



Fjord 177 cm 99-50299



Ash-brown 177 cm 99-50289



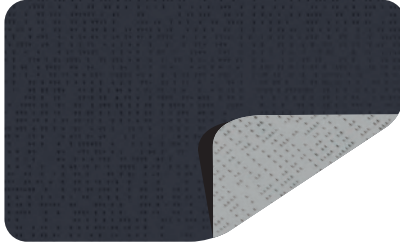
Chestnut 177 cm 99-50290



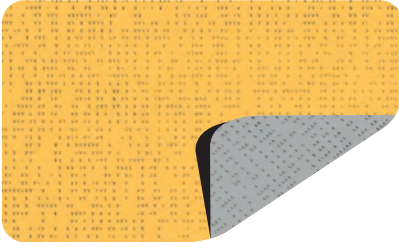
Alu 177 cm — 267 cm 99-2059



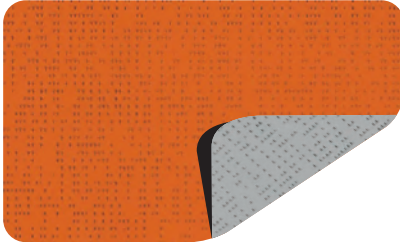
Medium grey 177 cm 99-2073



Anthracite 177 cm — 267 cm 99-2068



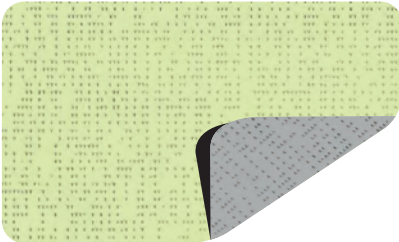
Apricot 177 cm 99-50292



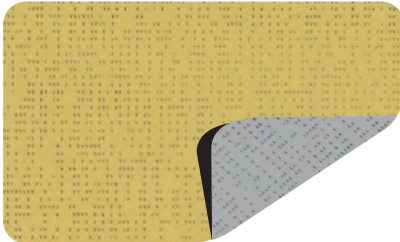
Paprika 177 cm 99-50293



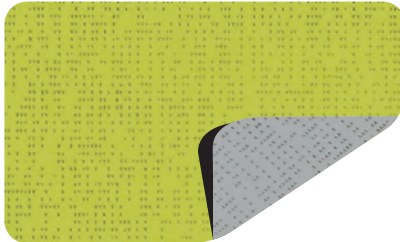
Bermuda 177 cm 99-50300



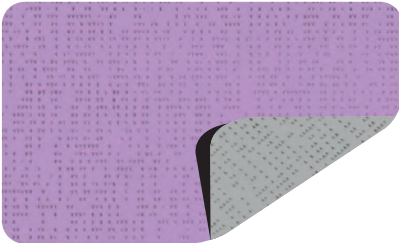
Lotus 177 cm 99-50294



Zenith 177 cm 99-50291



Bamboo 177 cm 99-50295



Lilac 177 cm 99-50296

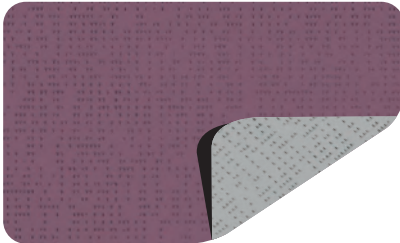
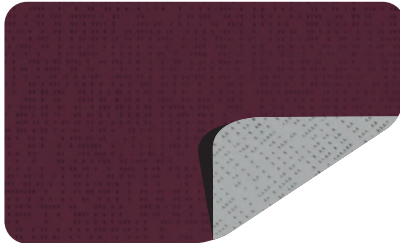


Fig 177 cm 99-50297



Plum 177 cm 99-50298

Color / Color



White 177 cm — 267 cm 99-2044



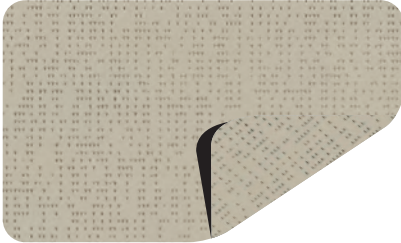
Quartz 177 cm — 267 cm 99-50303



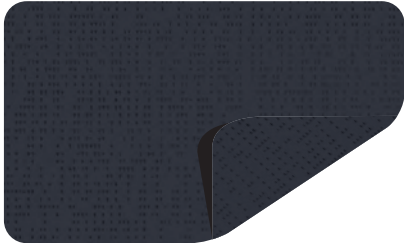
Hemp 177 cm 99-50265



Light grey 177 cm 99-2011



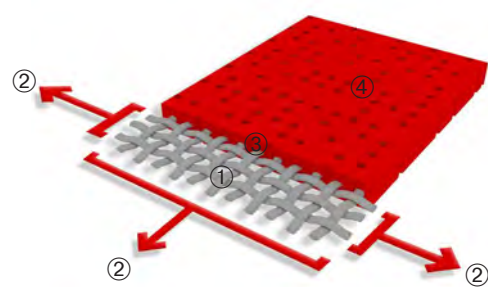
Clay 177 cm 99-50305



Anthracite 177 cm 99-2047

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A coating with fabrics under bi-axial constant tension in both warp and weft directions	②	No deformation during processing and use
Greater 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 finish easy to clean, space saving, easy rolling

■ **Solar and light properties** (EN 14501)

		Width (cm)		TS	RS	AS	TV n-h	EN 13363-1* Type "C" glazing	EN 13363-2** Type "D" glazing
		177	267					g_{tot}^i	g_{tot}^i
99-2055	A			14	47	39	13	0.42	0.18
99-2055	B			14	63	23	13	0.37	0.12
99-2058	A			8	44	48	6	0.43	0.19
99-2058	B			8	43	49	6	0.43	0.19
99-2059	A/B			6	43	51	5	0.43	0.19
99-2068	A			3	33	64	3	0.46	0.22
99-2068	B			3	8	89	3	0.54	0.28
99-2073	A			4	39	57	3	0.44	0.20
99-2073	B			4	25	71	3	0.49	0.24
99-50284	A			12	47	41	9	0.42	0.18
99-50284	B			12	60	28	9	0.37	0.14
99-50285	A			11	47	42	9	0.42	0.18
99-50285	B			11	60	29	9	0.37	0.15
99-50286	A			10	43	47	7	0.43	0.19
99-50286	B			10	44	46	7	0.43	0.19
99-50287	A			8	45	47	6	0.42	0.19
99-50287	B			8	47	45	6	0.42	0.19
99-50288	A			6	44	50	5	0.43	0.19
99-50288	B			6	39	55	5	0.44	0.21
99-50289	A			6	42	52	4	0.43	0.19
99-50289	B			6	30	64	4	0.47	0.23
99-50290	A			5	40	55	4	0.44	0.25
99-50290	B			5	25	70	4	0.49	0.25
99-50291	A			10	45	45	9	0.42	0.19
99-50291	B			10	49	41	9	0.41	0.19
99-50292	A			12	44	44	10	0.43	0.19
99-50292	B			12	51	37	10	0.40	0.19
99-50293	A			8	43	49	5	0.43	0.19
99-50293	B			8	36	56	5	0.45	0.24
99-50294	A			12	45	43	10	0.42	0.19
99-50294	B			12	52	36	10	0.40	0.18
99-50295	A			8	42	50	6	0.43	0.19
99-50295	B			8	36	56	6	0.45	0.23
99-50296	A			7	45	48	4	0.42	0.18
99-50296	B			7	47	46	4	0.42	0.19
99-50297	A			5	42	53	4	0.43	0.20
99-50297	B			5	20	75	4	0.50	0.26
99-50298	A			6	40	54	4	0.44	0.20
99-50298	B			6	17	77	4	0.51	0.28
99-50299	A			7	44	49	5	0.43	0.18
99-50299	B			7	48	45	5	0.41	0.18
99-50300	A			6	44	50	5	0.43	0.19
99-50300	B			6	39	55	5	0.44	0.21

Color / Color

99-2011			12	44	44	8	0.43	0.19
99-2044			23	66	11	21	0.36	0.12
99-2047			3	8	89	3	0.54	0.28
99-50265			15	47	38	11	0.42	0.19
99-50301			20	61	19	15	0.37	0.14
99-50303			21	59	20	15	0.38	0.16
99-50305			10	38	52	6	0.45	0.21

Color / White

99-2115 A*			8	62	30	7	0.37	0.12
99-2115 B*			8	10	82	7	0.54	0.28

TS: Solar Transmission (%)	A: Aluminium face exposed to the sun
RS: Solar Reflection (%)	B: Colored face exposed to the sun
AS: Solar Absorption (%)	A*: White face exposed to the sun
TS + RS + AS = 100% of incident energy	B*: Black face exposed to the sun
TV n-h: Normal-hemispherical visible light transmission (%)	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.

■ Matching Colors

	Soltis Master 99 Color/Alu	Soltis Master 99 Color/White	Soltis Master 99 Color/Color	Soltis Opaque B99
White				
Spume				
Light grey				
Medium grey				
Anthracite				
Black				
Alu				
Quartz				
Hemp				
Sandy beige				
Clay				
Ash-brown				
Chestnut				
Zenith				
Apricot				
Paprika				
Lotus				
Lilac				
Fig				
Plum				
Bamboo				
Bermuda				
Fjord				

Soltis

Master 99 & BV99

Soltis Master 99

Soltis Master BV99

■ Technical properties

Standards

Openness factor	3%	3%	
Weight	290 g/m ² — 8.6 oz/yd ²	290 g/m ² — 8.6 oz/yd ²	EN ISO 2286-2
Thickness	0.32 mm — 320 microns	0.32 mm — 320 microns	
Width	177 cm - 267 cm — 69.7 in. - 105.1 in.	126 mm — 49.6 in.*	

■ Length of rolls

Standard format length in 177 cm	50 lm — 54.68 yd	50 lm — 54.68 yd	
Standard format length in 267 cm	40 lm — 43.74 yd	-	

■ Physical properties

Tensile strength (warp/weft)	160/170 daN/5 cm	160/170 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	11/13 daN	11/13 daN	DIN 53.363

■ Flame retardancy

Rating	B1 /DIN 4102-1 — BS 7837 — BS 5867 — Schwerbrennbar-Q1-Tr1 /ONORM A 3800-1 M1 /UNE 23.727-90 — VKF 5.2 /SN 198898 — 1530.3/ AS/NZS — G1 /GOST 30244-94 Classe 1 /UNI 9177-87 — CAN ULCS109 — Method 1 and 2 /NFPA 701 — CSFMT19 Class A /ASTM E84		
Euroclass	B-s2,d0		EN 13501-1

■ Management systems

for quality			ISO 9001
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■ Certifications, labels, warranties, recycling



With **S+** Serge Ferrari goes further than the standards...
(consult us for further information)

■ Tools and services

- EPD 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
- Tool for evaluating energy savings generated by Soltis solar protection systems: www.textinergie.org
- Document and photo libraries: www.sergeferrari.com

* Please consult us for special requests.

The above technical data represent average values subject to a +/-5% tolerance.

The buyer of our products is fully responsible for their application or their transformation concerning 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.

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Soltis and Précontraint are Serge Ferrari registered trademarks.
Ref: 1044-11 - 2019/1.02 - 3,50 euros

EN

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Massimiliano et Doriana Fuksas architects
Inside photos: Havenhuis - Harbour office, Antwerp, Belgium, Zaha Hadid Architects, © Eric Bonghs
Stade des Lumières restaurant, Lyon, France, © Martial Couderette

Maximum visual
and thermal performance



Main applications

Facade blinds, conservatory and glassroof blinds, shadesails



■ A real heat shield

Thanks to its micro-ventilation system, Soltis Perform 92:

- regulates the sun's heating effects,
- limits the greenhouse effect.

Such unrivalled performances enable to reduce:

- the use of air-conditioning,
- to reduced energy expenditure of the building.

■ Transparency without glare

A large choice of colors to increase technical and aesthetic solutions:

- to choose the appropriate light transmission coefficient (TV),
- to conserve visibility toward the outside,
- to ensure privacy for inhabitants.

■ Creation of color universe

- colors coordinated with other Serge Ferrari Architecture ranges,
- combination of performance and aesthetic.

Placed outside,
Soltis Perform 92 blocks
until 97% of the heat





Bronze 177 cm — 267 cm

92-2043



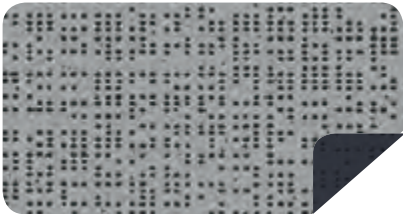
White 177 cm — 267 cm

92-2044



Boulder 177 cm — 267 cm

92-2171



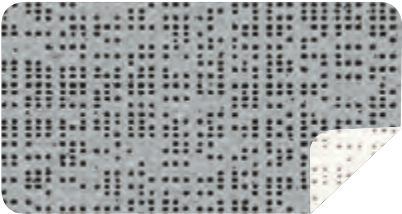
Alu/Anthracite 177 cm

92-2068



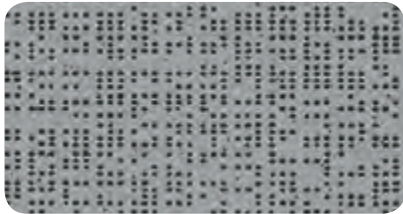
Sandy beige 177 cm — 267 cm

92-2135



Alu/White 177 cm — 267 cm

92-2051



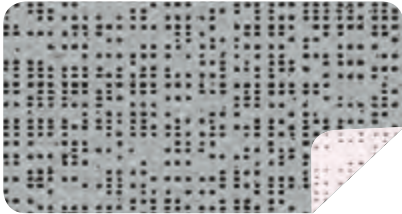
Beaten metal 177 cm — 267 cm

92-2045



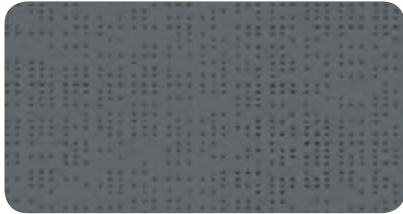
Cloud 177 cm — 267 cm

92-50272



Alu/Oat 177 cm — 267 cm

92-2046



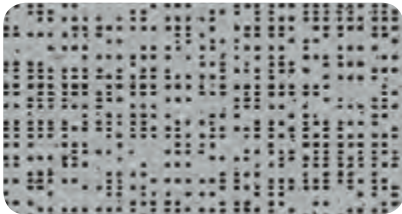
Concrete 177 cm — 267 cm

92-2167



Interferential grey 177 cm

92-2065



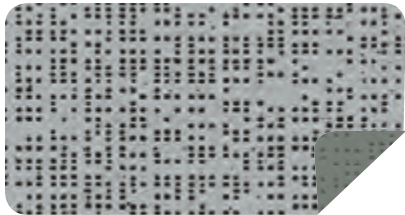
Alu/Alu 177 cm — 267 cm

92-2048



Anthracite 177 cm — 267 cm

92-2047



Alu/Medium grey 177 cm — 267 cm

92-2074



Black 177 cm — 267 cm

92-2053



Champagne 177 cm — 267 cm 92-2175



Hemp 177 cm — 267 cm 92-50265



Pepper 177 cm — 267 cm 92-2012



Gold 177 cm 92-50273



Havana-Brown 177 cm 92-50266



Bronze 177 cm — 267 cm 92-2043



Beetle 177 cm 92-2149



Cocoa 177 cm 92-2148



Walnut stain 177 cm 92-2137



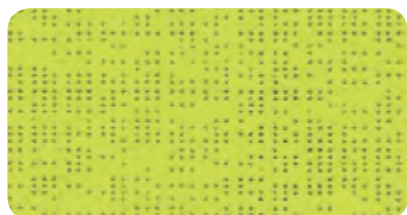
Moss green 177 cm 92-2158



Dark teal 177 cm 92-50264



Green tree 177 cm 92-2039



Aniseed 177 cm 92-2157



Bamboo 177 cm 92-50333



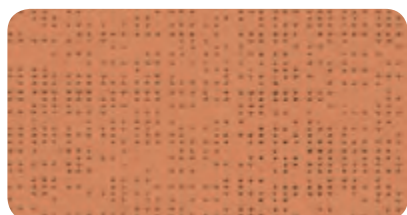
Chick 177 cm 92-2013



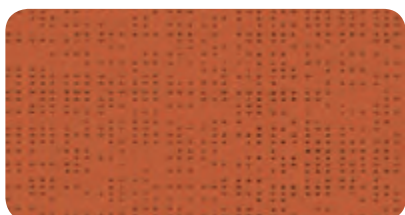
Buttercup 177 cm 92-2166



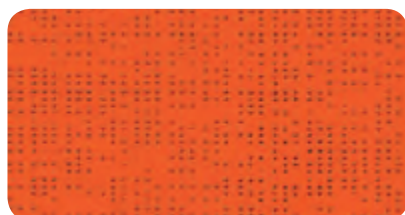
Orange 177 cm 92-8204



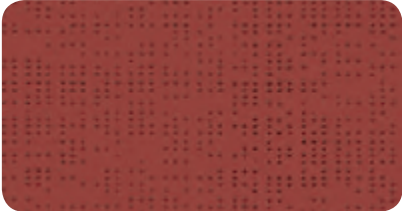
Copper 177 cm 92-50274



Caramel 177 cm 92-50261



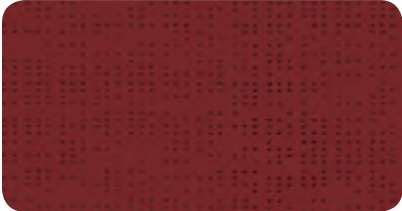
Carrot 177 cm 92-2172



Cotto 177 cm 92-50267



Velvet red 177 cm 92-2152



Muscat 177 cm 92-50260



Grenadine 177 cm 92-50268



Red 177 cm 92-8255



Turtledove 177 cm 92-2163



Violet parma 177 cm 92-2164



Plum 177 cm 92-50336



Intense turquoise 177 cm 92-50271



Hawaii 177 cm 92-50269



Lagoon 177 cm 92-2160



Thistle 177 cm 92-50270

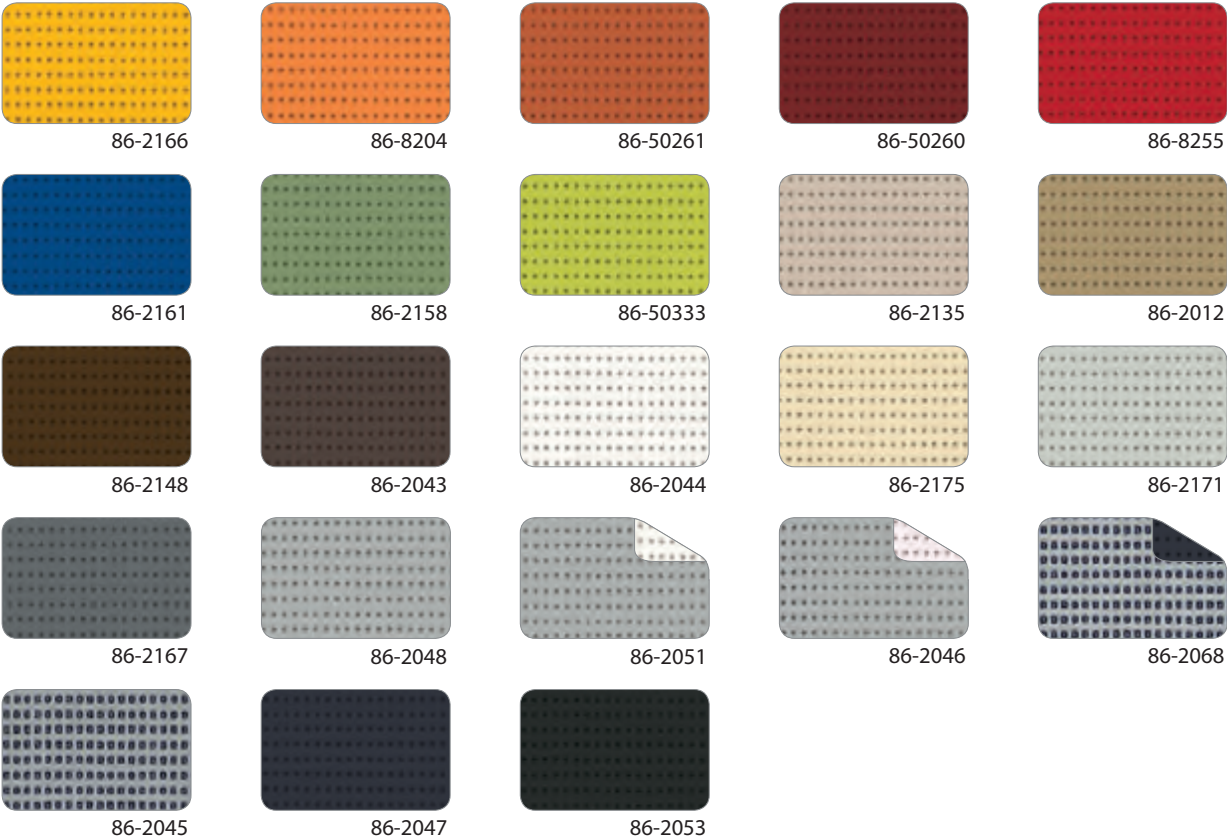


Midnight blue 177 cm 92-2161



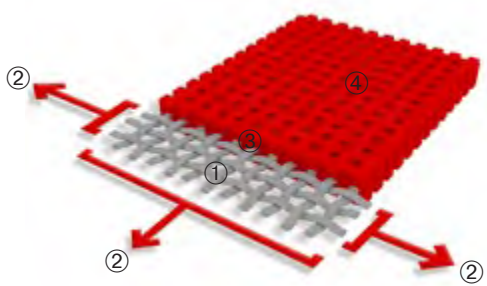
Navy 177 cm 92-50342

■ Matching colors with Soltis Horizon 86



■ Exclusive Précontraint® technology

Patented worldwide, the Précontraint® Serge Ferrari technology involves keeping the composite under tension throughout the manufacturing cycle. It gives our materials exceptional performance that enable 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
Greater 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 finish easy to clean, space saving, easy rolling

■Solar and light properties (EN 14501)

		Width (cm)		TS	RS	AS	TV n-h	EN 13363-1* Type "C" glazing		EN 13363-2** Type "D" glazing	
		177	267					g_{tot}^e	g_{tot}^i	g_{tot}^e	g_{tot}^i
92-2012			• •	7	30	63	6	0.10	0.47	0.04	0.24
92-2013			•	18	57	25	16	0.14	0.39	0.07	0.17
92-2039			•	4	8	88	3	0.10	0.54	0.04	0.29
92-2043			• •	4	13	83	4	0.10	0.53	0.04	0.28
92-2044			• •	19	68	13	17	0.14	0.35	0.07	0.11
92-2045			• •	4	35	61	4	0.08	0.45	0.03	0.22
92-2046 A			• •	12	46	42	10	0.12	0.42	0.05	0.18
92-2046 B			• •	12	63	25	10	0.10	0.37	0.05	0.14
92-2047			• •	5	8	87	5	0.11	0.54	0.04	0.28
92-2048			• •	8	46	46	8	0.09	0.42	0.04	0.18
92-2051 A			• •	12	49	39	11	0.11	0.41	0.06	0.17
92-2051 B			• •	12	70	18	11	0.10	0.34	0.05	0.10
92-2053			• •	3	6	91	3	0.10	0.55	0.03	0.29
92-2065			•	10	46	44	7	0.11	0.42	0.04	0.19
92-2068 A			•	4	34	62	4	0.08	0.46	0.03	0.22
92-2068 B			•	4	8	88	4	0.10	0.54	0.04	0.28
92-2074 A			• •	4	37	59	4	0.08	0.45	0.03	0.21
92-2074 B			• •	4	25	71	4	0.09	0.49	0.03	0.24
92-2135			• •	11	46	43	8	0.11	0.42	0.04	0.19
92-2137			•	3	8	89	3	0.10	0.54	0.04	0.29
92-2148			•	3	14	83	3	0.09	0.52	0.03	0.27
92-2149			•	5	16	79	4	0.10	0.52	0.04	0.27
92-2152			•	7	26	67	5	0.11	0.48	0.03	0.26
92-2157			•	15	51	34	10	0.13	0.40	0.05	0.20
92-2158			•	7	28	65	5	0.10	0.48	0.03	0.24
92-2160			•	11	36	53	5	0.12	0.45	0.04	0.24

		Width (cm)		TS	RS	AS	TV n-h	EN 13363-1* Type "C" glazing		EN 13363-2** Type "D" glazing	
		177	267					g_{tot}^e	g_{tot}^i	g_{tot}^e	g_{tot}^i
92-2161			•	9	23	68	5	0.12	0.50	0.04	0.28
92-2163			•	9	42	49	4	0.10	0.43	0.04	0.21
92-2164			•	10	45	45	4	0.11	0.42	0.04	0.21
92-2166			•	21	54	25	17	0.16	0.40	0.07	0.19
92-2167			• •	6	19	75	5	0.11	0.51	0.04	0.26
92-2171			• •	8	41	51	6	0.10	0.44	0.04	0.20
92-2172			•	19	43	38	8	0.16	0.43	0.05	0.24
92-2175			• •	19	65	16	17	0.14	0.36	0.07	0.14
92-8204			•	21	45	34	11	0.17	0.43	0.07	0.23
92-8255			•	12	28	60	4	0.13	0.48	0.05	0.27
92-50260			•	5	14	81	4	0.10	0.52	0.04	0.28
92-50261			•	8	31	61	4	0.11	0.47	0.04	0.25
92-50264			•	5	13	82	4	0.11	0.53	0.03	0.28
92-50265			• •	9	49	42	6	0.10	0.41	0.04	0.18
92-50266			•	4	19	77	4	0.09	0.51	0.03	0.26
92-50267			•	6	27	67	3	0.10	0.48	0.03	0.26
92-50268			•	16	37	47	5	0.15	0.45	0.05	0.25
92-50269			•	9	35	56	5	0.11	0.45	0.03	0.23
92-50270			•	4	18	78	3	0.10	0.51	0.04	0.27
92-50271			•	11	36	53	4	0.12	0.45	0.04	0.24
92-50272			• •	12	55	33	9	0.11	0.39	0.05	0.16
92-50273			•	8	42	50	5	0.10	0.43	0.04	0.21
92-50274			•	8	35	57	4	0.10	0.46	0.04	0.24
92-50333			•	11	37	52	7	0.12	0.45	0.05	0.23
92-50336			•	7	18	75	3	0.11	0.51	0.03	0.28
92-50342			•	6	10	84	4	0.11	0.54	0.05	0.29

TS: Solar Transmission (%)
RS: Solar Reflection (%)
AS: Solar Absorption (%)
TS + RS + AS = 100% of incident energy
TV n-h: Normal-hemispherical visible light transmission (%)
A: Aluminium face exposed to the sun
B: Colored face exposed to the sun
g_{tot}^e : 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

Perform 92

	■ Technical properties	Standards
Openness factor	4%	
Weight	420 g/m ² — 12.4 oz/sqyd	EN ISO 2286-2
Thickness	0.45 mm — 450 microns	
Width	177 cm - 267 cm — 69.7 in. - 105.1 in.	
	■ Length of rolls	
Standard format length in 177 cm	50 lm — 54.68 yds	
Standard format length in 267 cm	40 lm — 43.74 yds	
	■ Physical properties	
Tensile strength (warp/weft)	310/210 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 — CSFMT19 — Class A /ASTM E84	
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	
	— 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 — 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 average values with a +/- 5% tolerance.

The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation in compliance with standards, codes of practice 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 prompted by technological developments. 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 (1770 mm) and large width (2670 mm). We advise strongly against combined assembly of these.

Soltis and Précontraint are Serge Ferrari registered trademarks.
Ref. 1043 • 12 - 2019 / V.1.02 • 4/70 euros

EN

Cover photo: Ecole d'architecture Odile Decq, Lyon, France, © Pierre Le Chatelier -
Inside photos: Gardens by the Bay, Singapore, © Rory Daniel - Wilkinson Eyre Architects
St. Legier College, Switzerland, © Johannes Marburg, Gent

Waterproof
and Translucent



External use

Pergolas, canopies, shades and fixed shading systems



■ Waterproof and Translucent

- effective and durable protection against weather
- a high level of translucency for more natural light
- better heat reflection to maintain a comfortable thermal environment
- a visible textured effect.

Soltis Proof W96 ensures your outdoor room is comfortable so it can be used year-round.

This enables a quicker return on your investment.

■ Stylish and low-maintenance

Soltis Proof W96 provides unique benefits for unsurpassed ease-of-use:

- quick, easy maintenance
- UV resistance for long-term color fastness
- can be used alongside the micro-ventilated version, Soltis Lounge 96, which has the same look with transparency.

An elegant solution
that is both waterproof
and translucent



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



Anthracite 267 cm

W96-2047



White 267 cm

W96-8102



Off white 267 cm

W96-1103



Vanilla 267 cm

W96-8861



Cloud 267 cm

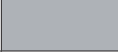
W96-2171



Anthracite 267 cm

W96-2047

■ **Solar and light properties** (EN 14501)

		TS	RS	AS	TV n-h
W96-1103		17	67	16	16
W96-2047		3	11	86	3
W96-2171		9	52	39	4
W96-8102		17	71	12	17
W96-8861		13	63	24	9

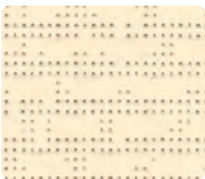
TS: Solar Transmission (%)
RS: Solar Reflection (%)
AS: Solar Absorption (%)
TS + RS + AS = 100% of incident energy
TV n-h: Normal-hemispherical visible light transmission (%)

■ **Soltis Proof W96 & Soltis Lounge 96:**
a comprehensive solution

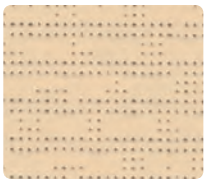
Soltis Lounge 96 is a micro-ventilated version of Soltis Proof W96 for projects requiring enhanced solar protection but no impermeable characteristic.



96-8102*



96-1103*



96-8861*



96-2171*

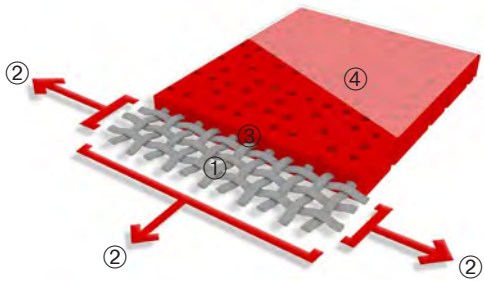


96-2047*

* Colors coordinated with Soltis Proof W96 screens

■ **Exclusive Précontraint® technology**

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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
Greater 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 finish easy to clean, space saving, easy rolling

Soltis

Proof W96

■ Technical properties

Weight	620 g/m ² — 18.3 oz/sqyd	EN ISO 2286-2
Thickness	0.56 mm — 560 microns	
Width	267 cm — 105.1 in.	

■ Length of rolls

Standard format length	35 lm — 38.27 yds	
------------------------	-------------------	--

■ Physical properties

Tensile strength (warp/weft)	220/220 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	25/20 daN	DIN 53.363

■ Flame retardancy

Rating	M2	NFP 92-507
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■ Management systems

Quality		ISO 9001
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■ Certifications, labels, warranties



With **S+** Serge Ferrari goes further than the standards...
(consult us for further information)

■ Tools and services

- Personalised 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 average values with a +/- 5% tolerance.

The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation in compliance with standards, codes of practice 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 prompted by technological developments. 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.

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Ref. 1047-11 - 2019/V1.02-180 euros
EN

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Inside photos: Parkrest Hotel Lyon, France - © Pierre Le Chatelier
Private House, © Serge Ferrari

Serge Ferrari

Soltis
Veozip

A new vision
of outdoors



Enjoy the shade and keep your view.

Soltis Veozip is the ideal fabric for enjoying your outdoor view due to its unmatched transparency. Its matt, woven aspect will embody your terrace's warm, elegant design.

As an effective extension of your living space, your pergola equipped with **Soltis Veozip** creates a real cocoon outside. You'll fully enjoy your fun times sheltered from the wind and heat, while remaining within your outdoor environment.



Hemp-based
composition for
natural fabric
aspect



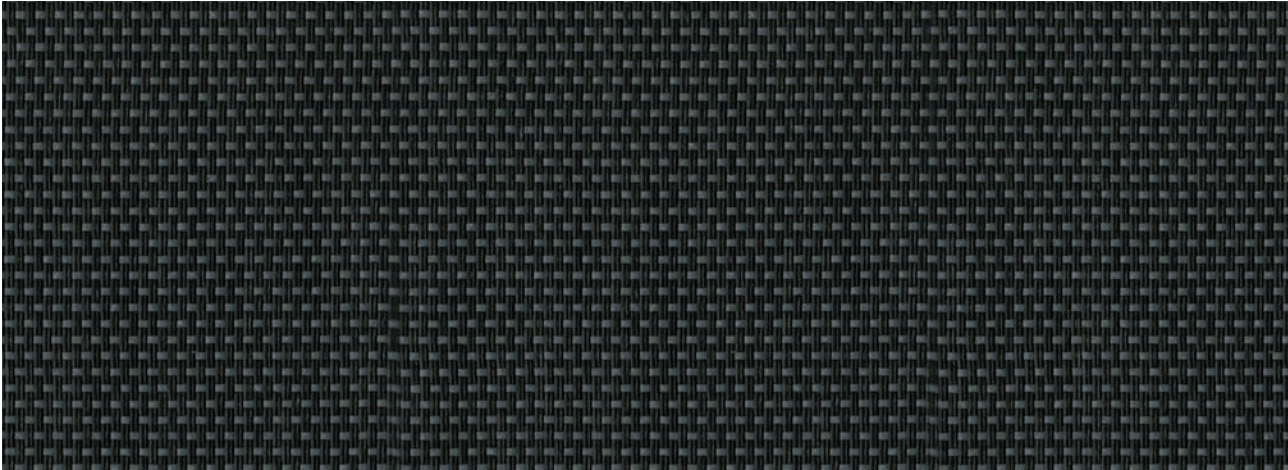
Filters up to 95%
of UV radiation



Plays on
transparency

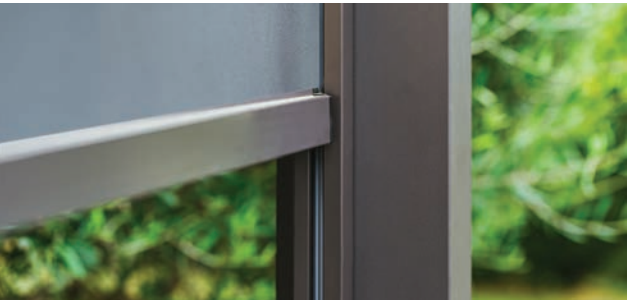


Protects
from wind



Shadow

7605-51194



Perfect integration into ZIP systems



Optimum thermal comfort to take maximum advantage of your terrace without excessive heat in mid-summer

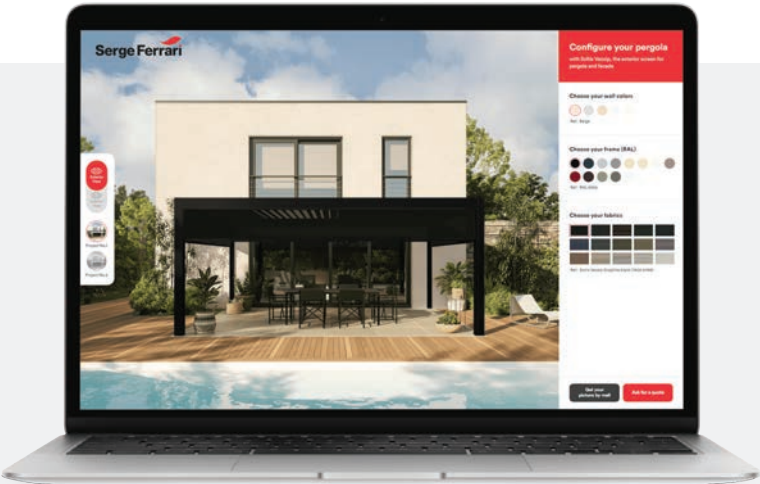


Glare control for greater visual comfort during relaxing or remote working times

Personalise the pergola
of your dreams!



Scan this
QR code
to configure
your pergola

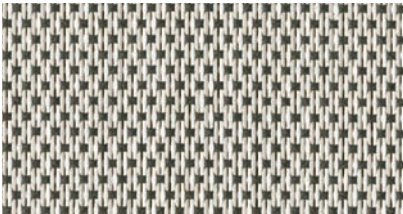


RAW



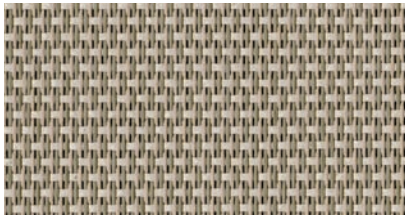
Macadamia

7605 - 51188



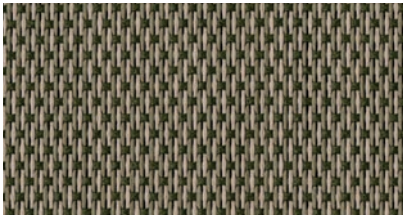
Edelweiss

7605 - 51185



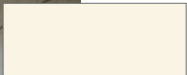
Natural

7605 - 51187

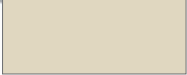


Tundra

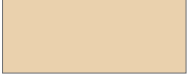
7605 - 51190



RAL 9010

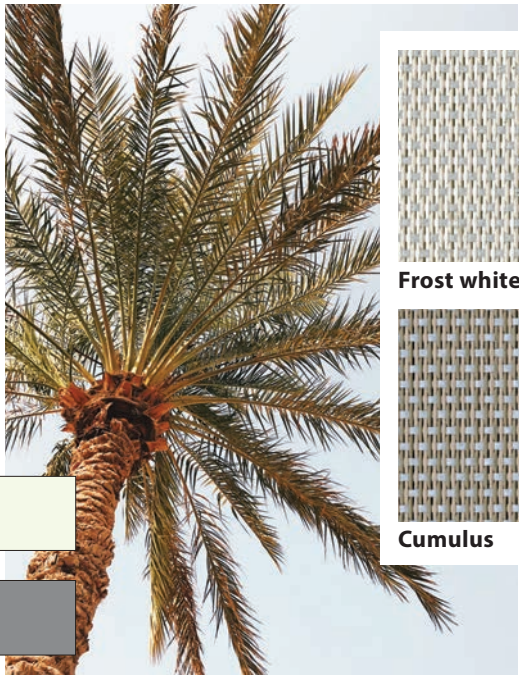


RAL 1013



RAL 1015

TROPICAL



RAL 9016



RAL 7030

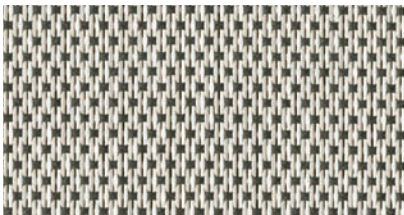


RAL 7039



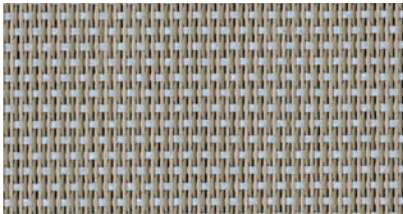
Frost white

7605 - 51184



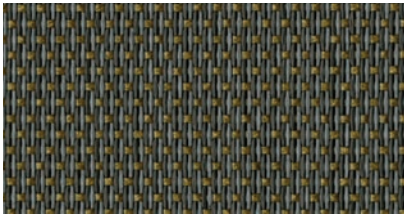
Edelweiss

7605 - 51185



Cumulus

7605 - 51186

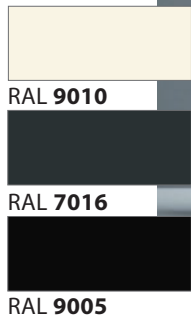


lunar surface

7605 - 51191

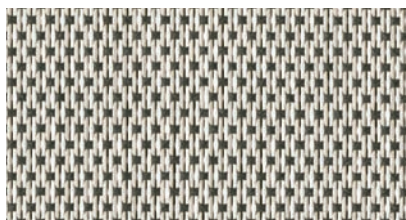


ELEGANT



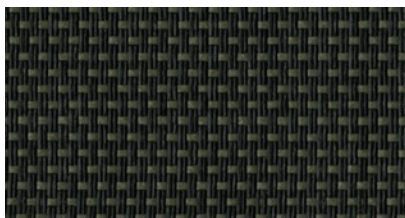
Frost white

7605 - 51184



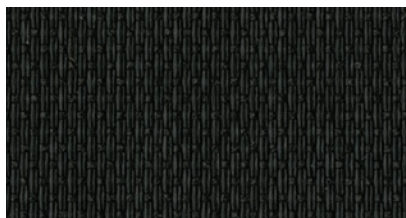
Edelweiss

7605 - 51185



Volcano

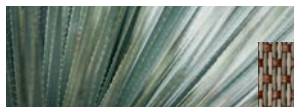
7605 - 51195



Graphite black

7605 - 51198

SPICE



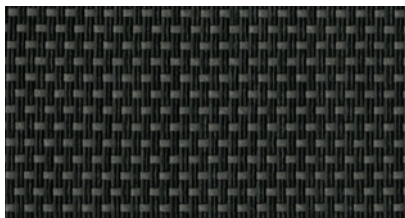
Macadamia

7605 - 51188



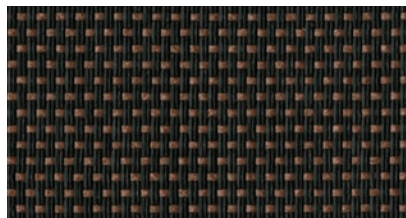
Lunar surface

7605 - 51191



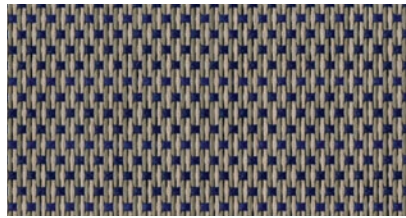
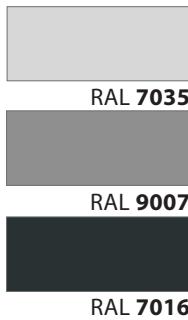
Grey pepper

7605 - 51197



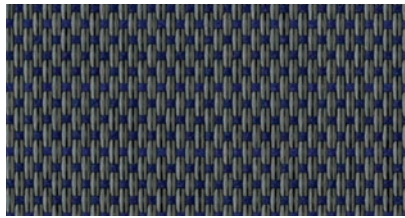
Sandalwood

7605 - 51196



Mistral

7605 - 51189



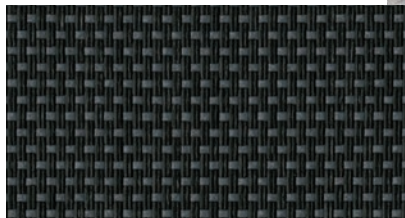
Sea urchin

7605 - 51193



Sea lion

7605 - 51192

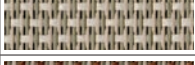


Shadow

7605 - 51194

PURE

■ Solar and light properties

		TS	RS	AS	TV n-h	g_{tot}^e EN13363-2 Type C glazing	g_{tot}^e EN13363-2 Type D glazing	14501 Class g_{tot}^e EN13363-2 Type C ou D glazing
Frost white 51184		9	59	32	8	0,07	0,04	4
Edelweiss 51185		9	50	41	8	0,07	0,04	4
Cumulus 51186		6	37	57	6	0,06	0,04	4
Natural 51187		7	37	56	7	0,06	0,04	4
Macadamia 51188		5	29	66	4	0,05	0,03	4
Mistral 51189		5	28	67	5	0,05	0,03	4
Tundra 51190		6	27	67	5	0,05	0,04	4
Lunar surface 51191		7	18	75	6	0,06	0,04	4
Sea lion 51192		8	13	79	7	0,07	0,05	4
Sea urchin 51193		6	17	77	6	0,06	0,04	4
Shadow 51194		5	7	88	5	0,06	0,04	4
Volcano 51195		5	7	88	5	0,05	0,04	4
Sandalwood 51196		6	10	84	6	0,06	0,04	4
Grey pepper 51197		5	8	87	5	0,05	0,04	4
Graphite black 51198		5	5	90	5	0,06	0,04	4

TS : Solar Transmission (%)
RS : Solar Reflection (%)
AS : Solar Absorption (%)
TS + RS + AS = 100% of incident energy
TV n-h : Normal-hemispherical visible light transmission (%)
g_{tot}^e : Outdoor solar factor

* EN 13363-2
detailed method

Consider the spectral transmission and reflection values for the glazing + blind combination to calculate the solar factor g_{tot}.
Glazing type:
«C»: Low emission, insulating double glazing - face 3 (4 + 16 + 4; argon-filled) g = 0.59 - U = 1.2
«D»: Low emission, insulating double glazing - face 2 (4 + 16 + 4; argon-filled) g = 0.32 - U = 1.1

Main applications

ZIP blinds (façade and pergola), external blinds, vertical veranda blinds



- Optimised for facade external blinds using ZIP systems
- Gtot^e from 3 to 5% with Type D glazing (*)
- Class 4 gtot for any glazing or colour (**)
- Euroclass B-s2, d0
- Certification High UV colourfastness

(*) calculation based on EN14501-2

(**) calculation based on EN14501-2 for Type C or D glazing



Filters up to 95%
of UV rays



Soltis Veozip

■ Technical properties		Standards
Openness factor	5%	EN ISO 2286-2
Weight	600 g/m²	
Thickness	0,90 mm	
Roll widths	290 cm - 320 cm*	
■ Roll length		
Standard format: 290 cm roll width	42 lm	
Standard format: 320 cm roll width	35 lm	
■ Physical properties		
Breaking resistance (warp/weft)	250 / 170 daN / 5 cm	EN ISO 1421
Tear resistance (warp/weft)	25 / 25 daN	DIN 53.363
■ Fire resistance		
Rating	M1/NFP 92-507 — B1/DIN 4102-1 — BS 7837 — BS 5867 — C UNO/UNI 91-77 — Classe 1/EN 13373 — Method 1/NFPA 701 — CSFMT19 — Class A/ASTM E84	
Euroclass	B-s2,d0	EN 13501-1
■ Management system		
Quality	ISO 9001	
■ Certifications, labels, warranties, recyclability		



■ Tools and services	
— Life Cycle Assessment and Environmental Health Declarations available on request	
— Custom thermal performance simulation service for your projects and associated Soltis solar protection systems. Please contact your Serge Ferrari representative	
— Evaluation tool for energy savings achieved with Soltis solar protection systems: www.textinergie.org	
— Document and photo library: www.sergeferrari.com	

Quoted technical characteristics are average values subject to +/- 5% tolerance.

The purchaser of our products is responsible for their application or transformation in relation to possible third party rights. Moreover, the purchaser of our products is responsible for their installation and usage in compliance with the standards, working practices and safety regulations of their destination country. Please refer to our warranty document with regard to contractual liability.

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.

* Available during 2021.

Interior Solar Protection

The perfect match *naturally*

Transparency

3 OPENNESS FACTORS

for optimum comfort

Weaving

NATURAL

woven look

Design

OVER 100 VARIATIONS

for imagining everything

Soltis
Touch
Naturally

**Filter
the light
with perfect
clarity.**

5% 3% 1%

Soltis Touch is available in 3 openness
factors to adapt to every need
and configuration.

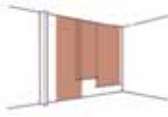
MAIN APPLICATIONS



Interior
blinds



Vertical
blinds



Panel
tracks

**OPTIMUM
COMFORT**

**Give your interiors
a touch of natural elegance.**

Soltis Touch combines aesthetic qualities
with high levels of thermal, acoustic and light
protection performance.



5%

Transparency maintained to take
full advantage of the exterior view
and natural light.



A touch of singularity ousting uniformity and neutrality.

A uniquely natural effect created
by an exclusive weave combining
different materials and colours.

Soltis Touch plays with light, creating
chromatic effects and interplay of
transparencies designed to give
character to your interiors.

Solar protection becomes an
essential part of your interior design.



3%

The ideal combination of aesthetics, thermal,
visual and acoustic comfort.



A UNIQUE WEAVE FOR A 100% NATURAL LOOK

1%

The ideal solution for controlling glare
and enhancing acoustic comfort.

SUPERIOR PERFORMANCES FOR RELAXING INTERIORS



Thermal performance

Soltis Touch excludes up to 91% of incoming heat to maintain a stable interior temperature in summer without increasing air conditioning requirements. This enhances user comfort and building energy performance.



Visual comfort

Soltis Touch maintains outward views and uninterrupted natural light while protecting from glare.



Acoustic performance

Soltis Touch reduces reverberation, thereby improving the occupants' acoustic comfort. The fabric absorbs up to 45% of the noise within a 100 mm air gap.



Fire safety

Soltis Touch meets international standards for fire rating standards and does not contribute to flashover.



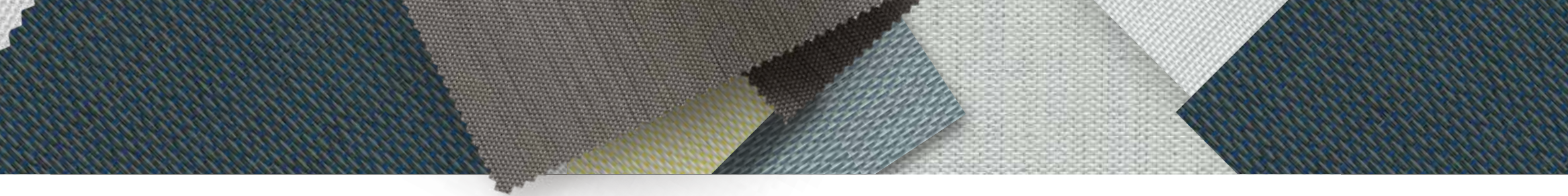
Health safety

Soltis Touch fabric is guaranteed totally phthalate-free. It is certified Greenguard Gold, proving the fabric complies with the most stringent indoor air quality standards. It therefore contributes to creating a healthier interior.

7651-50948

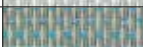
7653-50948

7655-50948



SOLAR AND LIGHT PERFORMANCES

(according to EN 14501)

			SOLTIS TOUCH 5% (7655)							
Colours and references			Roll widths		TS	RS	AS	TV n-h	g _{tot} EN 13363-2* Glazing C"	g _{tot} EN 13363-2* Glazing D"
			180 cm	270 cm						
Carrara	50937		•	•	11	54	35	9	0.32	0.15
Celestial	50938		•	•	7	28	65	7	0.43	0.23
Coffee bean	50939		•	•	7	14	79	7	0.49	0.27
Charcoal	50940		•	•	6	9	85	6	0.51	0.28
Wheat	50941		•	•	10	48	42	8	0.35	0.18
Turmeric	50942		•	•	9	31	60	8	0.42	0.23
Elephant	50943		•	•	7	23	70	7	0.45	0.24
Cobalt	50944		•	•	6	11	83	6	0.51	0.28
Agate grey	50945		•	•	9	45	46	8	0.36	0.18
Flint	50946		•	•	9	46	45	8	0.35	0.18
Opaline	50947			•	9	32	59	8	0.42	0.23
Tannin	50948		•	•	7	15	78	7	0.49	0.27
Shore	50949			•	8	31	61	7	0.43	0.23
Twilight	50950									
Mahogany	50951			•	8	11	81	7	0.50	0.28
Maple	50952									
Mother of Pearl	50953									
Flower bud	50954									
Glacier	50955			•	9	47	44	8	0.35	0.18
Rope	50957		•	•	9	34	57	8	0.41	0.21
Mocha	50958		•	•	7	15	78	7	0.50	0.28
Raffia	50959		•	•	9	39	52	8	0.38	0.20
Biscuit	50960		•	•	8	26	66	7	0.44	0.24
Pacific	50961									
Citrine	50962									
Tornado	50963			•	6	10	84	6	0.51	0.28
Reed	50964									
Jasmine	50982		•	•	17	74	9	15	0.22	0.10

TS : Solar Transmission (%)

RS : Solar Reflection (%)

AS : Solar Absorption (%)

TS + RS + AS = 100% of incident energy

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

g_{tot}¹ : Internal solar factor

SOLTIS TOUCH 3% (7653)								
Roll widths			TS	RS	AS	TV n-h	g _{tot} EN 13363-2* Glazing C**	g _{tot} EN 13363-2* Glazing D***
127 mm	180 cm	270 cm						
•	•	•	8	55	37	7	0.31	0.15
•	•	•	4	28	68	4	0.43	0.23
•	•	•	4	14	82	4	0.49	0.27
•	•	•	4	9	87	4	0.51	0.28
•	•	•	7	48	45	4	0.35	0.18
•	•	•	5	31	64	4	0.42	0.23
•	•	•	3	23	74	3	0.45	0.24
•	•	•	4	11	85	4	0.51	0.28
•	•	•	6	46	48	5	0.35	0.18
•	•	•	7	45	48	6	0.35	0.18
		•	6	33	61	5	0.41	0.22
•	•	•	5	15	80	5	0.49	0.27
•	•	•	5	32	63	4	0.42	0.23
		•	4	11	85	4	0.51	0.28
•	•	•	4	11	85	3	0.51	0.28
•	•	•	5	25	70	4	0.45	0.24
		•	7	52	41	6	0.32	0.16
		•	7	44	49	6	0.32	0.18
		•	6	47	47	5	0.35	0.18
•	•	•	6	35	59	5	0.40	0.21
•	•	•	4	12	84	4	0.50	0.28
•	•	•	6	40	54	6	0.38	0.20
•	•	•	5	26	69	4	0.45	0.24
		•	5	26	69	4	0.45	0.24
		•	5	32	63	4	0.42	0.23
•	•	•	4	11	85	4	0.51	0.28
		•	5	30	65	5	0.42	0.23
•	•	•	14	75	11	12	0.22	0.10

¹Detailed method EN 13363-2
The transmission and reflection values above are based on the spectral values of the glass combined with the screen. These are used to calculate the the g_{tot} value.

**Type "C" glazing is an insulating double glazing with low-e coating in position 3 (4 mm + 16 mm space + 4 mm float ; Argon-filled) g = 0.59 – U = 1.2.

***Type "D" glazing is solar control double glazing with a low-e coating in position 2 (4 mm + 16 mm space + 4 mm float ; Argon-filled) g = 0.32 – U = 1.1.

Colours and references		SOLTIS TOUCH 1% (7651)							
		Roll widths		TS	RS	AS	TV n-h	g _{tot} ¹ EN 13363-2* Glazing C**	g _{tot} ¹ EN 13363-2* Glazing D***
		180 cm	270 cm						
•	•	•	•	6	57	37	4	0.30	0.15
•	•	•	•	2	8	90	2	0.49	0.26
•	•	•	•	4	47	49	3	0.35	0.18
•	•	•	•	2	16	82	2	0.49	0.27
•	•	•	•	4	42	54	3	0.37	0.19
•	•	•	•	11	76	13	9	0.21	0.09

Soltis Touch

Naturally

	■ Soltis Touch 5% (7655)	■ Soltis Touch 3% (7653 & BV7653)	■ Soltis Touch 1% (7651)	■ Standards
Openness factor	5%	3%	1%	
Weight	430 g/m ² - 12.7 oz	455 g/m ² - 13.9 oz	450 g/m ² - 13.3 oz	EN ISO 2286-2
Thickness	0,73 mm - 730 microns	0,75 mm - 750 microns	0,65 mm - 650 microns	-
Roll widths	180 cm - 270 cm 70.9 in. – 106.3 in.	180 cm - 270 cm - 127 mm 70.9 in. – 106.3 in. – 5 in.	180 cm – 270 cm 70.9 in. – 106.3 in.	-
Standard width format	45 lm in 180 cm width 30 lm in 270 cm width	45 lm in 180 cm width 45 lm in 127mm width 30 lm in 270 cm width	45 lm in 180 cm width 30 lm in 270 cm width	-
Breaking strength (warp/weft)	150 / 100 daN / 5 cm	150 / 120 daN / 5 cm	150 / 100 daN / 5 cm	EN ISO 1421
Tear strength (warp/weft)	15 / 15 daN	15 / 15 daN	15 / 15 daN	DIN 53.363
Acoustic absorption	-	α _w =0.40 (LA=100mm)	α _w =0.45 (LA=100mm)	EN ISO 354
Flame retardancy	M1 / NFP 92-507 — M1 / UNE23727-90 — B1 / DIN 4102-1 — 1530.2 and 1530.3/ S/ NZS — Class A / ASTM E84 — Classe 1 /EN 13773 — Classe 1 / UNI 9177 — VKF 5.3 SN 198898 — BS 7837 — BS 5867-2 Type B — Method 1 & 2 / NFPA 701 — CSFMT19 — Schwerbrennbar Q1-Tr1 / ONORM A3800 — CAN ULC S109			
Euroclasse	B-s2,d0 / EN 13501-1	B-s2,d0 / EN 13501-1	B-s2,d0 / EN 13 501-1	
■ Management systems				
Quality				ISO 9001
■ Certifications, labels				
				
■ Tools and service				
- Personalised service for simulating your project's thermal performance and related Soltis solar protection systems: please contact Serge Ferrari representative				
- Document and photo librairies : www.sergeferrari.com				

The technical characteristics quoted are average values subject to a +/- 10% tolerance. Purchasers of our products are responsible for their application or their transformation with regard to possible third party rights. Purchasers of our products are also responsible for their implementation and installation in accordance with the standards, codes of practice and safety regulations of the destination country. Consult our warranty document for information regarding the contractual guarantee. The characteristic values provided in this document reflect test results obtained in accordance with design practices. They are quoted for information only to offer our customers an optimum product usage. Our products are subject to changes reflecting technical progress and we reserve the right to modify their characteristics at any time. The purchaser of our products is responsible for checking to verify the validity of the above-quoted values.

Transparency
and Natural Light



Outdoor use

Roller screens, skylight shades, pergolas, shadesails, conservatory and skylight shades, drop-arm awnings



■ Unmatched transparency

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 the building.

■ Maximized natural light

Soltis Horizon 86 provides more natural light, providing significant benefits:

- saves energy since less artificial light is required
- improves health, well-being and productivity in professional or private environments.

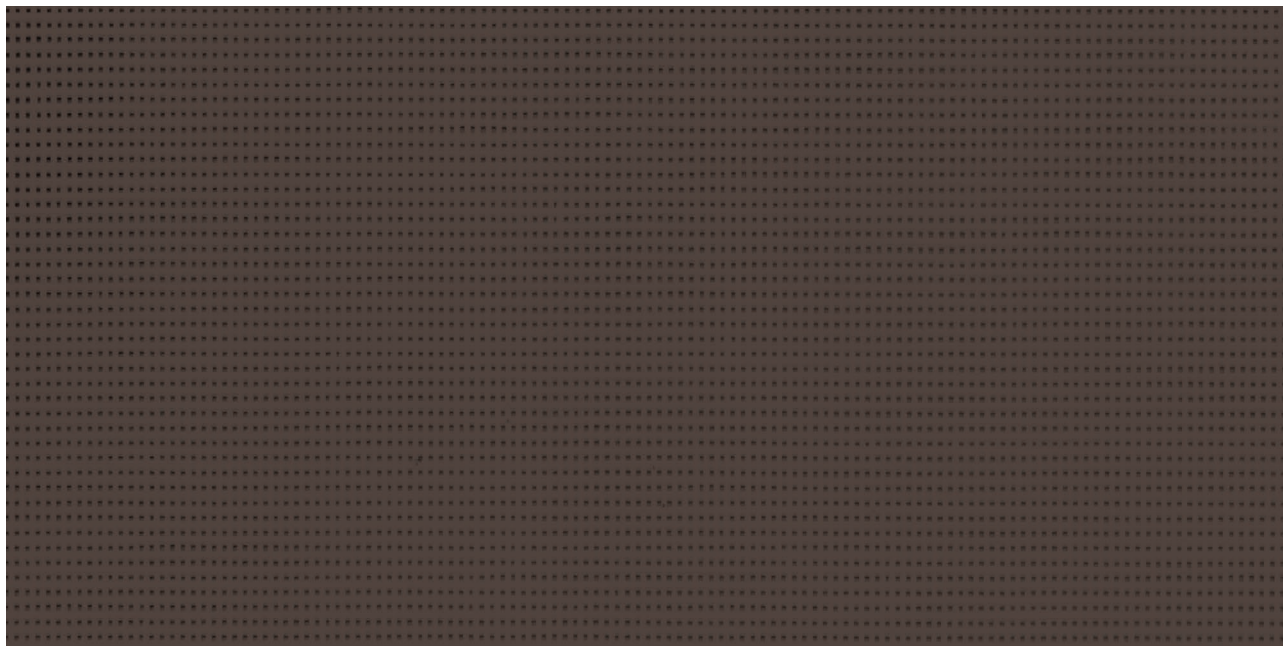
■ Coordinated ranges

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.

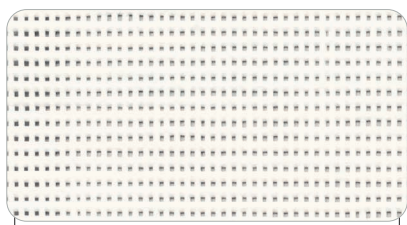
Almost invisible solar protection for better light control





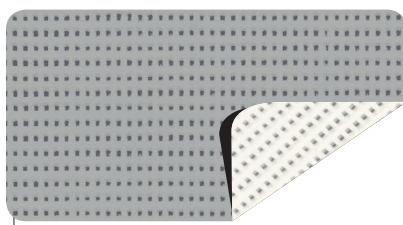
Bronze 177 cm — 267 cm

86-2043



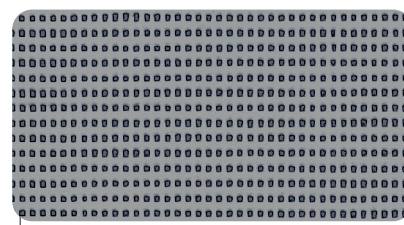
White 177 cm — 267 cm

86-2044



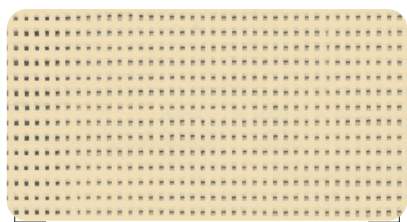
Alu/White 177 cm — 267 cm

86-2051



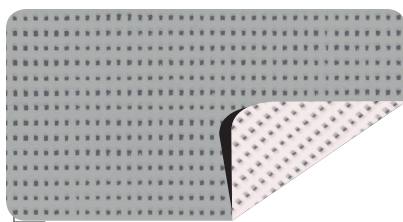
Beaten-metal 177 cm — 267 cm

86-2045



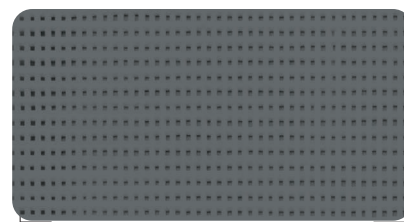
Champagne 177 cm — 267 cm

86-2175



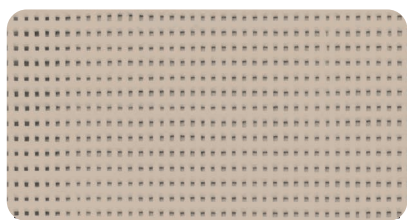
Alu/Oat 177 cm — 267 cm

86-2046



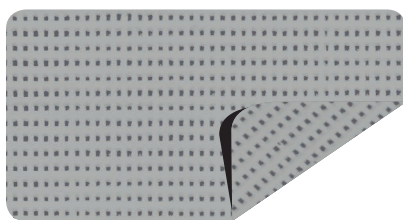
Concrete 177 cm — 267 cm

86-2167



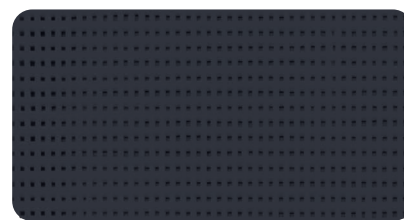
Sandy beige 177 cm — 267 cm

86-2135



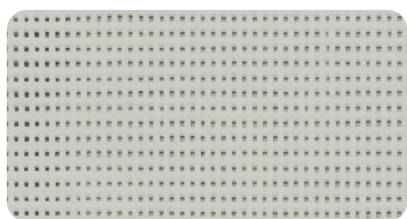
Alu/Alu 177 cm — 267 cm

86-2048



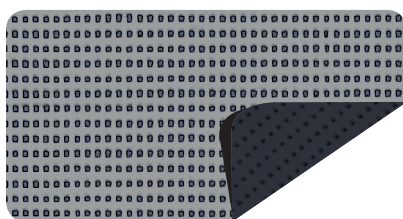
Anthracite 177 cm — 267 cm

86-2047



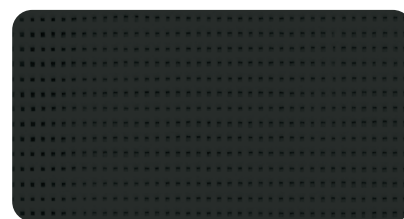
Boulder 177 cm — 267 cm

86-2171



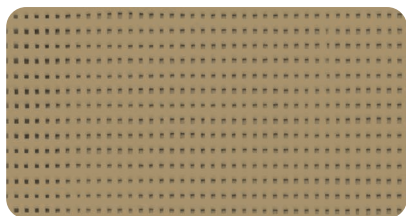
Alu/Anthracite 177 cm

86-2068

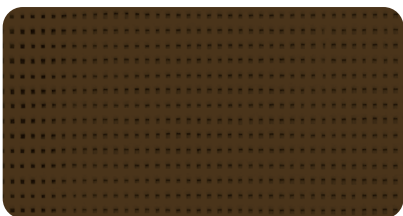


Black 177 cm — 267 cm

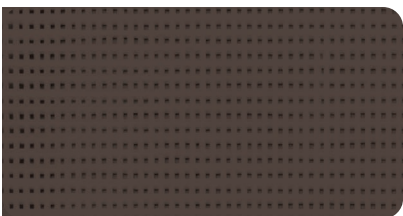
86-2053



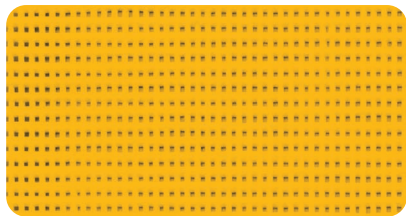
Pepper 177 cm — 267 cm 86-2012



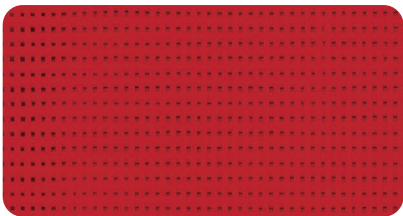
Cocoa 177 cm 86-2148



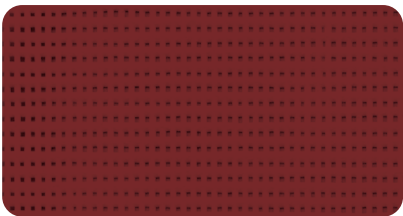
Bronze 177 cm — 267 cm 86-2043



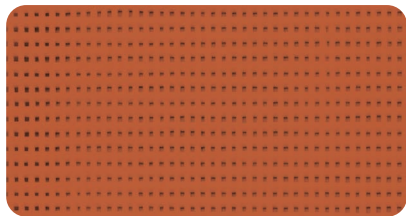
Buttercup 177 cm 86-2166



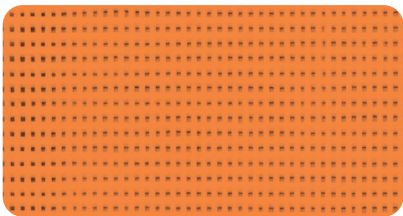
Red 177 cm 86-8255



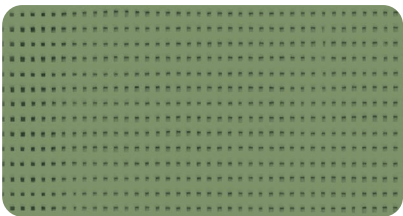
Muscat 177 cm 86-50260



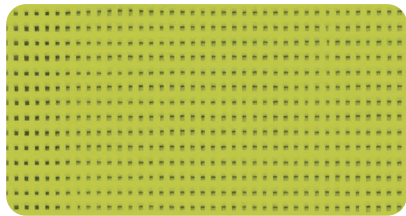
Caramel 177 cm 86-50261



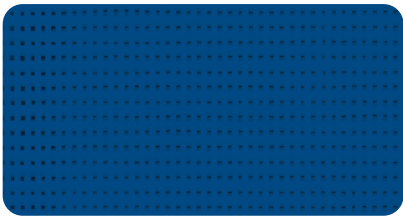
Orange 177 cm 86-8204



Moss green 177 cm 86-2158



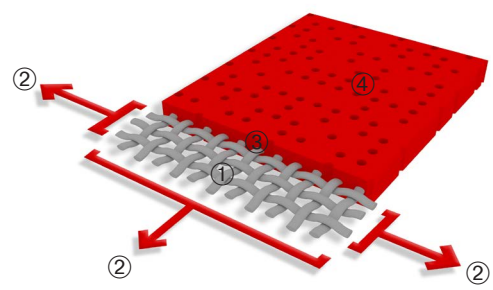
Bamboo 177 cm 86-50333



Midnight blue 177 cm 86-2161

■ Exclusive Précontraint® technology

Patented worldwide, the Précontraint® technology by Serge Ferrari involves keeping the composite under tension throughout the manufacturing cycle. It gives our materials exceptional performance that enable 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
Greater 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 finish easy to clean, space saving, easy rolling

■ Solar and light properties (EN 14501)

		Width (cm)		TS	RS	AS	TV n-h	EN 13363-1* Type "C" glazing		EN13363-2** Type "D" glazing	
		177	267					g _{tot} ^e	g _{tot} ⁱ	g _{tot} ^e	g _{tot} ⁱ
86-2012		•	•	18	27	55	16	0.17	0.48	0.08	0.24
86-2043		•	•	15	11	74	15	0.16	0.53	0.07	0.28
86-2044		•	•	29	59	12	28	0.20	0.38	0.11	0.15
86-2045		•	•	16	29	55	16	0.15	0.48	0.08	0.23
86-2046	A	•	•	22	40	38	21	0.18	0.44	0.10	0.16
86-2046	B	•	•	22	55	23	21	0.17	0.39	0.09	0.20
86-2047		•	•	17	7	76	17	0.18	0.55	0.07	0.28
86-2048		•	•	19	39	42	19	0.16	0.44	0.09	0.20
86-2051	A	•	•	22	40	38	20	0.18	0.44	0.09	0.20
86-2051	B	•	•	22	60	18	20	0.16	0.38	0.09	0.13
86-2053		•	•	14	5	81	14	0.16	0.55	0.07	0.29
86-2068	A	•		17	31	52	17	0.16	0.47	0.08	0.23
86-2068	B	•		17	7	76	17	0.18	0.55	0.09	0.28
86-2135		•	•	24	39	37	22	0.19	0.45	0.09	0.21
86-2148		•		17	13	70	17	0.17	0.53	0.07	0.27
86-2158		•		18	25	57	16	0.17	0.49	0.08	0.25
86-2161		•		22	20	58	17	0.20	0.51	0.08	0.28
86-2166		•		31	45	24	28	0.23	0.43	0.11	0.21
86-2167		•	•	17	14	69	17	0.17	0.53	0.07	0.26
86-2171		•	•	22	36	42	20	0.18	0.46	0.08	0.21
86-2175		•	•	30	57	13	28	0.21	0.39	0.11	0.16
86-8204		•		29	41	30	21	0.22	0.44	0.10	0.23
86-8255		•		21	24	55	14	0.19	0.49	0.07	0.27
86-50260		•		15	13	72	14	0.16	0.53	0.07	0.28
86-50261		•		20	27	53	15	0.18	0.48	0.07	0.25
86-50333		•		22	32	46	19	0.19	0.47	0.08	0.24

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
TV n-h: Normal-hemispherical visible light transmission (%)
g _{tot} ^e : External solar factor
g _{tot} ⁱ : Internal solar factor

*Simplified method
EN 13363-1

**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 "C" glazing is double glazing and insulated with low emissivity in position 3 (4 + 16 + 4; Argon-filled) g = 0.59 - U = 1.2.

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

	Technical properties	Standards
Openness factor	14%	
Weight	380 g/m ² — 11.2 oz/sqyd	EN ISO 2286-2
Thickness	0.45 mm — 450 microns	
Width	177 cm - 267 cm — 69.7 in. - 105.1 in.	

■ Length of rolls

Standard format length in 177 cm	50 lm — 54.68 yds
Standard format length in 267 cm	40 lm — 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 — CSFMT19 — Class A /ASTM E84	
Euroclass	B-s2,d0	EN 13501-1

■ Management systems

For quality	ISO 9001
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■ Certifications, labels, warranties, recycling



With **S+** Serge Ferrari goes further than the standards...
(consult us for further information)

■ Tools and services

- LCA 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
- 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 colours, a difference in shade may be observed in different roll widths for the same reference: small width (1770 mm) and large width (2670 mm). We advise strongly against combined assembly of these.

Soltis and Précontraint are Serge Ferrari registered trademarks.
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