

99

Color, Alu, White,
LowE, Opaque



Soltis 99

A complete range for optimised light control

Transparent or opaque, colored backing, alu, white or LowE backings, Soltis 99 offers a full range of options to manage light and heat control in buildings.

99 Color, Alu, & White

- **Visual comfort:** privacy preserved, uniform natural light diffusion without glare ensured by metallic finished face.
- **Thermal comfort:** even more reflective thanks to the aluminium backing and snow white color.

Agivir treatment

An antiviral and antibacterial treatment that eliminates more than 99.9% of viruses and bacteria including Coronavirus 229E. Available on Soltis 99 Color, Alu and White.



99 LowE

It acts like a thermal barrier which helps to preserve indoor temperature in summer by re-emitting less heat than a conventional solar protection. The interior temperature is thus more stable and users' comfort is enhanced. The energy performance of buildings is improved up to 40% reduction in air conditioning needs thanks to Soltis 99 LowE.

99 Opaque White & Alu

- A solution adapted to each need:
- a 100% blackout fabric with Soltis 99 Opaque Alu (Class 4 - EN 14501) or
 - a darkening fabric with Soltis 99 Opaque White (Class 3 - EN 14501)

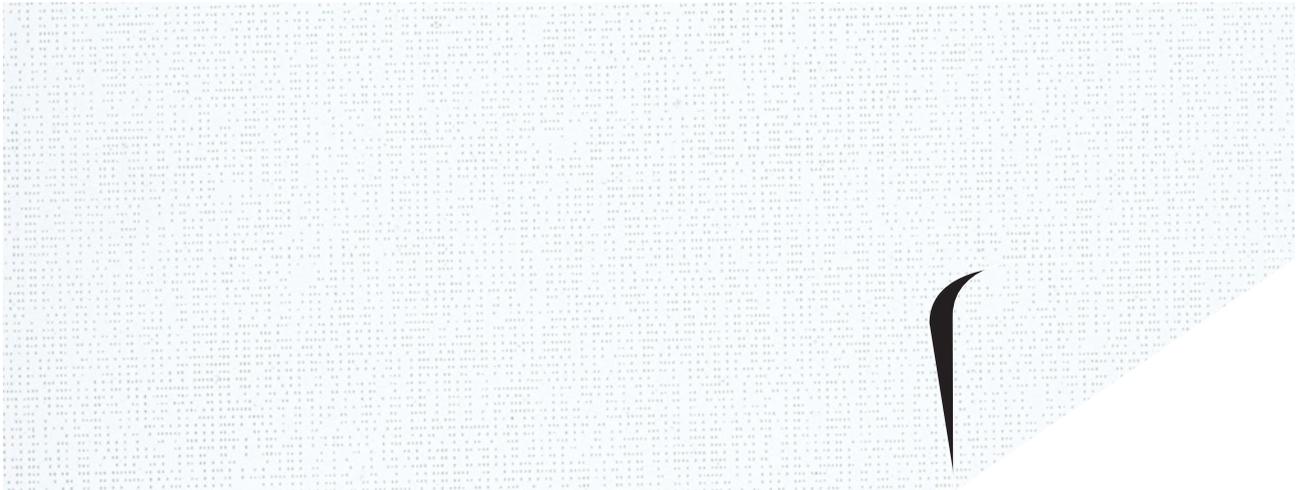
Thin and lightweight, Soltis 99 Opaque allows for an easy integration in small boxes. It can easily be combined with other Soltis 99 declinations thanks to the synergy of color ranges.



**Performance
and design
for your comfort**

Soltis 99

Color



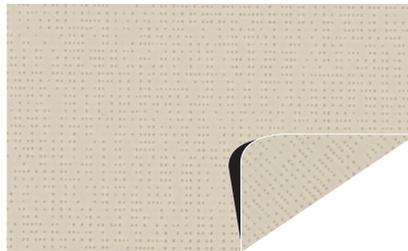
Snow white

99-50690



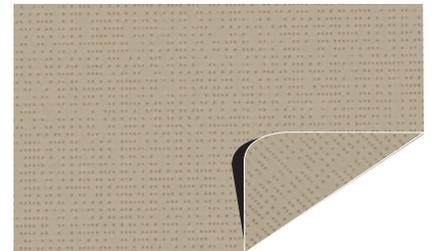
White

99-2044



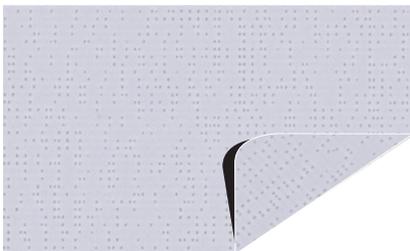
Quartz

99-50303



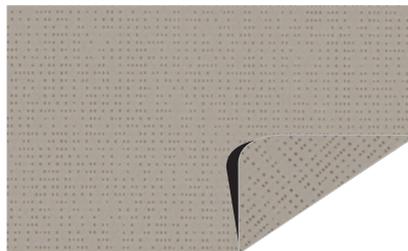
Hemp

99-50265



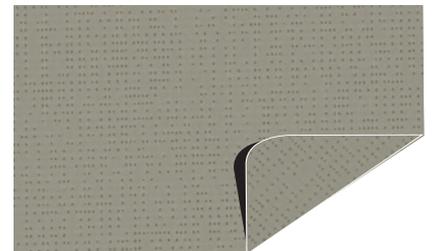
Spume

99-50301



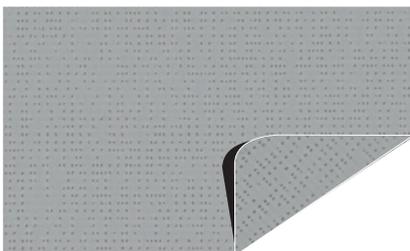
Sandy beige

99-2135



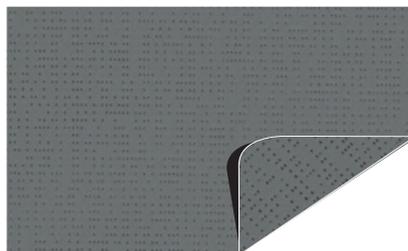
Clay

99-50305



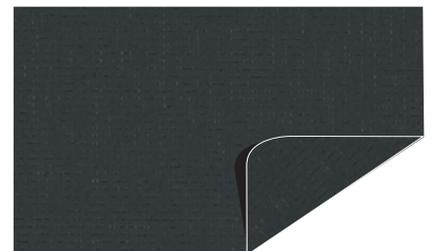
Light grey

99-2011



Medium grey

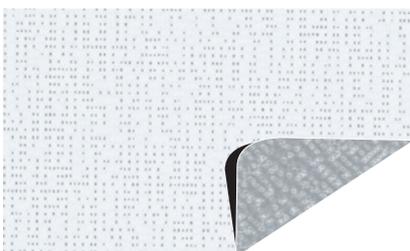
99-2069



Anthracite

99-2047

Alu



Snow white/Alu

99-51306



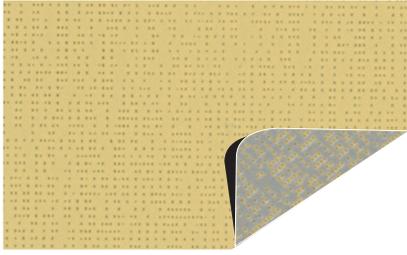
Pina colada/Alu

99-51308



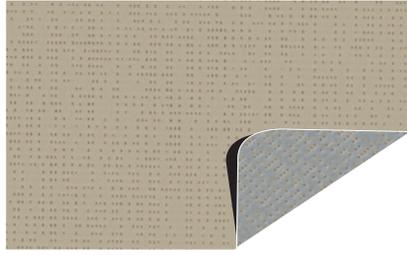
Quartz/Alu

99-550285



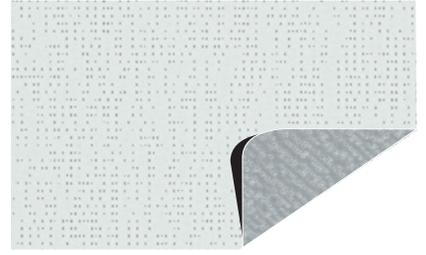
Tahini/Alu

99-51312



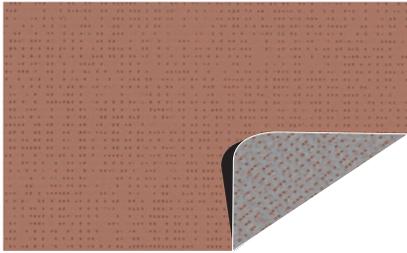
Hemp/Alu

99-550287



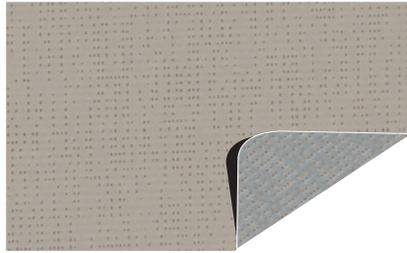
Thermal water/Alu

99-51309



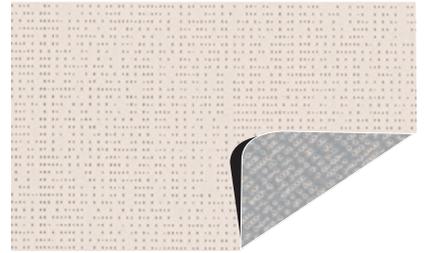
Arena/Alu

99-51310



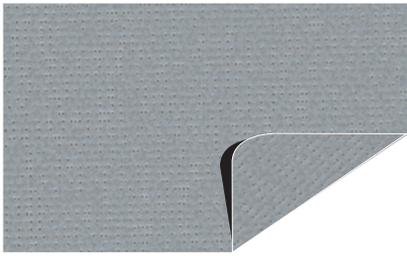
Sandy beige/Alu

99-550286



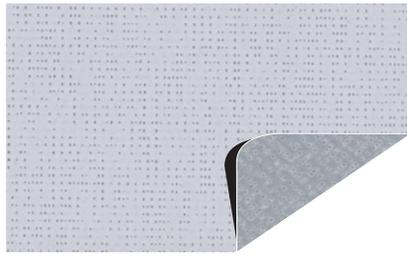
Nashi/Alu

99-51307



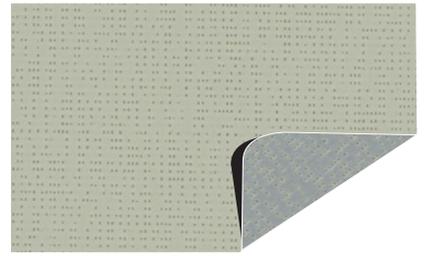
Alu/Alu

99-52059



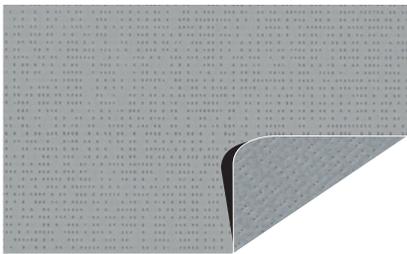
Spume/Alu

99-550284



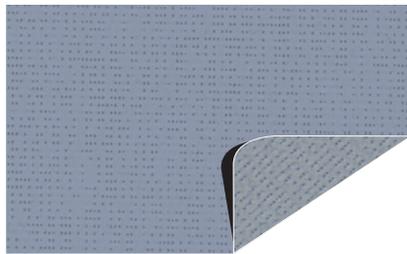
Green tea/Alu

99-51313



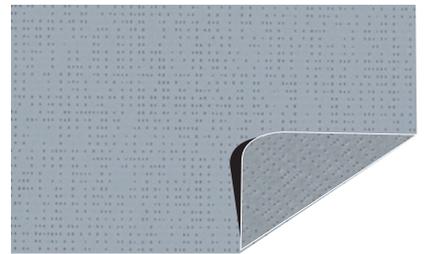
Light grey/Alu

99-52058



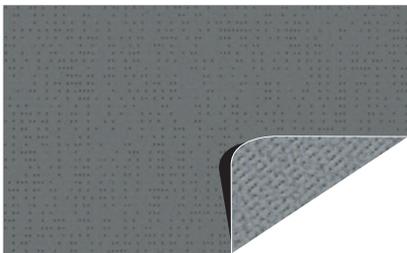
Shower/Alu

99-51324



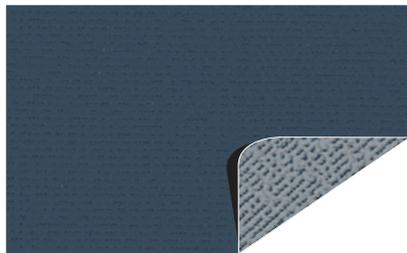
Fjord/Alu

99-550299



Medium grey/Alu

99-552073



Crane/Alu

99-51314



Clay/Alu

99-550288



Elephant/Alu

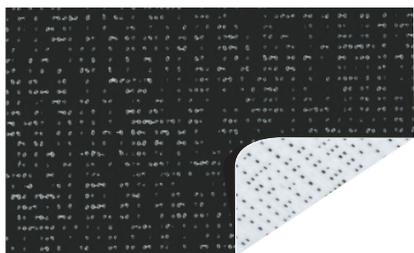
99-51311



Anthracite/Alu

99-52068

White



Black/Snow white

99-52115

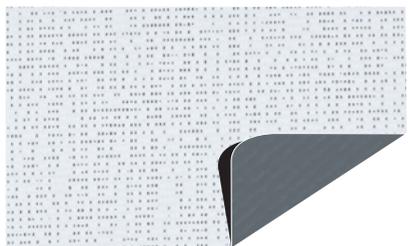
LowE



White/LowE

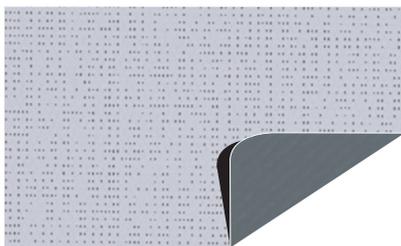
99-2061E

Opaque Alu



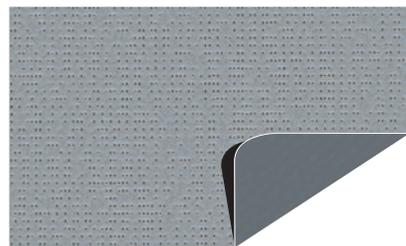
Snow white/Alu

B99-51327



Spume/Alu

B99-50284



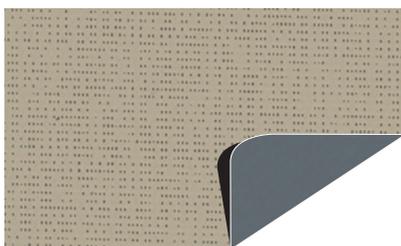
Alu/Alu

B99-51936



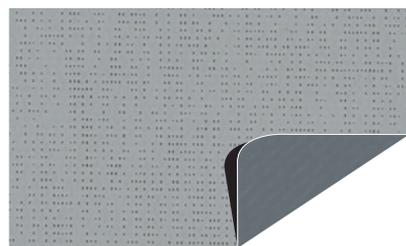
Quartz/Alu

B99-50285



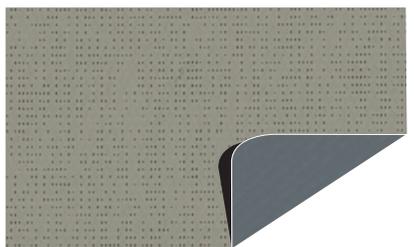
Hemp/Alu

B99-50287



Light grey/Alu

B99-50613



Clay/Alu

B99-50288



Medium grey/Alu

B99-50354



Anthracite/Alu

B99-50614

Opaque White



Snow white/White

B990-51328

Thermal and light transmission properties

(according to EN 14501)

	Width (cm-in)		TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing
	177 267 69.7 105.1						
Color*							
99-2011			12	44	44	8	0.19
99-2044			23	66	11	21	0.12
99-2047			3	8	89	3	0.28
99-2069			6	23	71	4	0.25
99-2135			13	43	44	9	0.20
99-50265			15	47	38	10	0.19
99-50301			20	61	19	15	0.14
99-50303			21	59	20	15	0.16
99-50305			10	38	52	6	0.21
99-50690			21	68	11	18	0.12

	Width (cm-in)		TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing
	177 267 69.7 105.1						
Alu*							
99-51306 A			13	54	33	12	0.17
99-51306 B			13	67	20	12	0.12
99-51307 A			14	52	34	12	0.17
99-51307 B			14	64	22	12	0.14
99-51308 A			13	53	34	11	0.17
99-51308 B			13	64	23	11	0.14
99-51309 A			12	53	35	10	0.17
99-51309 B			12	66	22	10	0.12
99-51310 A			11	48	41	5	0.19
99-51310 B			11	45	44	5	0.23
99-51311 A			4	41	55	3	0.20
99-51311 B			4	16	80	3	0.27
99-51312 A			14	50	36	12	0.18
99-51312 B			14	55	31	12	0.18
99-51313 A			13	50	37	10	0.18
99-51313 B			13	56	31	10	0.17
99-51314 A			4	40	56	3	0.21
99-51314 B			4	15	81	3	0.27
99-51324 A			11	49	40	5	0.19
99-51324 B			11	50	39	5	0.20
99-52058 A			9	47	44	7	0.19
99-52058 B			9	43	48	7	0.19
99-52059 A/B			7	47	46	6	0.19
99-52068 A			4	40	56	3	0.21
99-52068 B			4	8	88	3	0.29

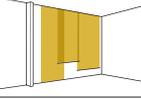
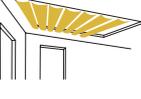
TS	Solar Transmission in %
RS	Solar Reflection in %
AS	Solar Absorption in %
TS + RS + AS	=100% of the incident energy
TV n-h	Normal - hemispherical visible light transmission (%)
A	Aluminium surface exposed to the sun
B	Colored surface exposed to the sun
g_{tot}ⁱ	Interior Solar Factor

	Width (cm-in)		TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing
	170 177 267 66.9 69.7 105.1						
Alu*							
99-550284 A			10	53	37	7	0.17
99-550284 B			10	64	26	7	0.14
99-550285 A			13	51	36	10	0.18
99-550285 B			13	60	27	10	0.16
99-550286 A			10	46	44	7	0.19
99-550286 B			10	44	46	7	0.20
99-550287 A			8	49	43	6	0.18
99-550287 B			8	48	44	6	0.19
99-550288 A			7	46	47	5	0.19
99-550288 B			7	39	54	5	0.21
99-550299 A			9	48	43	7	0.18
99-550299 B			9	47	44	7	0.19
99-552073 A			5	42	53	4	0.20
99-552073 B			5	24	71	4	0.24
White*							
99-52115 A (snow white)			8	65	27	8	0.12
99-52115 B (black)			6	6	88	6	0.29
LowE							
99-2061E A			8	71	21	7	0.10
99-2061E B			8	70	22	7	0.11
Opaque Alu							
B99-50284			0	62	38	0	0.13
B99-50285			0	60	40	0	0.14
B99-50287			0	47	53	0	0.18
B99-50288			0	40	60	0	0.20
B99-50354			0	25	75	0	0.18
B99-50613			0	45	55	0	0.18
B99-50614			0	8	92	0	0.27
B99-51327			0	69	31	0	0.11
B99-51936			0	49	51	0	0.18
B99 Backing			0	29	71	0	0.22
Opaque White							
B990-51328			0	69	31	0	0.11
B990 Backing			0	77	23	0	0.07

* Also available in BV version in 126 mm width

* Detailed method ISO 52022-3
Takes into account the spectral values of glazing transmission and reflection + blind complex for calculating the solar factor g_{tot}.
Type "D" glazing: insulating double glazing with low emissivity on surface 2 (4 + 16 + 4; Argon filling) g = 0,32 - U = 1,1

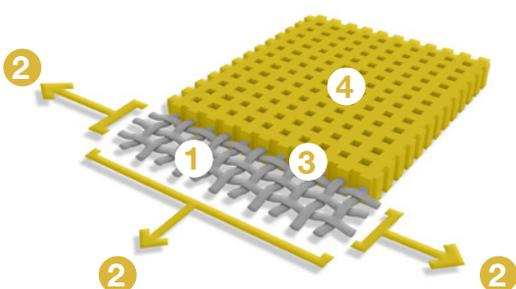
Main applications

	Color	Alu	White	LowE	Opaque Alu	Opaque White
 Roller blinds	✓	✓	✓	✓	✓	✓
 Vertical blinds	✓	✓	✓	✓		
 Panel tracks	✓	✓	✓	✓	✓	✓
 Interior velums	✓	✓	✓	✓	✓	✓



Exclusive Précontraint® technology

This unique, world-patented technology involves maintaining the composite in bi-axial tension throughout the manufacturing cycle. It ensures our materials' exceptional performance characteristics, which ensure they exceed market standards in terms of long-term stability, strength, coating thickness and flatness.



1	High-tenacity polyester micro-yarn reinforcing mesh	Higher resistance to elongation and tearing
2	Coating under bi-axial, warp and weft tension	No deformation during installation and usage
3	Coating thickness covering top of yarns and dirt repellent surface treatment	Enhanced aesthetic and structural durability
4	Extremely flat and thin	Easy-to-clean smooth surface ensuring compactness and easy rolling

Soltis 99

Color	Alu	White	LowE*	Opaque Alu	Opaque White
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Technical properties

Openness factor	3%	3%	0%	0%
Weight EN ISO 2286-2	290 g/m ² • 8.6 oz/sq. yd	290 g/m ² • 8.6 oz/sq. yd	540 g/m ² • 15.9 oz/sq. yd	650 g/m ² • 19.2 oz/sq. yd
Thickness	0.32 mm • 320 microns	0.32 mm • 320 microns	0.47 mm • 470 microns	0.53 mm • 530 microns
Width	126 mm - 177 cm - 267 cm 5 in - 69.7 in - 105.1 in	177 cm - 267 cm 69.7 in - 105.1 in	170 cm • 66.9 in	170 cm • 66.9 in

Roll lengths

In 126 mm • 5 in width	50 lm • 54.68 yd	-	-	-
In 170 cm • 66.9 in width	-	-	40 lm • 43.74 yd	40 lm • 43.74 yd
In 177 cm • 69.7 in width	50 lm • 54.68 yd	50 lm • 54.68 yd	-	-
In 267 cm • 105.1 in width	40 lm • 43.74 yd	40 lm • 43.74 yd	-	-

Physical properties

Tensile strength (warp/weft) EN ISO 1421	160/170 daN/5 cm 360/382 lbs/2 in	160/170 daN/5 cm 360/382 lbs/2 in	160/170 daN/5 cm 360/382 lbs/2 in	160/170 daN/5 cm 360/382 lbs/2 in
Tear strength (warp/weft) DIN 53.363	11/13 daN • 25/29 lbs	11/13 daN • 25/29 lbs	11/13 daN • 25/29 lbs	11/13 daN • 25/29 lbs
Emissivity (metallic side)	-	0.35	-	-
Opacity class EN 14501 (Opaque White & Alu)	-	-	Class 4 (140,000 lux)	Class 3 (90,000 lux)
Antibacterial properties ASTM E2180	>99.9% of all types of bacteria eliminated (gram+/gram-)			
Virucidal properties ISO 21702 (adapted protocol-24h)	>99.9% of viruses desactivated (incl. human Coronavirus 229E)			

Fire resistance

Rating	M1/NF P 92-507 B1/DIN 4102-1 Classe 1/EN 13773 Classe 1/UNI 9177-87 VKF 5.3/SN 198898 BS 7837 BS 5867-2 Schwerbrennbar-Q1-Tr1/ ONORM A 3800-1 Method 1&2/NFPA 701 CSFM T19 Class A/ASTM E84 CAN ULCS109 AS/NZS 1530.2 & 1530.3 Group 1/AS/NZS 3837 G1/GOST 30244-94	M1/NF P 92-507 B1/DIN 4102-1 Classe 1/EN 13773 Classe 1/UNI 9177-87 VKF 5.3/SN 198898 BS 7837 BS 5867-2 Schwerbrennbar-Q1-Tr1/ ONORM A 3800-1 Method 1&2/NFPA 701 CSFM T19 Class A/ASTM E84 CAN ULCS109 AS/NZS 1530.2 & 1530.3 Group 1/AS/NZS 3837 G1/GOST 30244-94	B1/DIN 4102-1 Classe 1/EN 13773 Classe 2/UNI 9177 BS 5867-2 Method 2/NFPA 701 Class A/ASTM E84 AS/NZS 1530.3 Group 1/AS/NZS 3837 G1/GOST 30244-94	B1/DIN 4102-1 Classe 1/EN 13773 Classe 2/UNI 9177 BS 5867-2 Method 2/NFPA 701 Class A/ASTM E84 AS/NZS 1530.3 Group 1/AS/NZS 3837 G1/GOST 30244-94
Euroclass EN 13501-1	B-s2,d0	B-s2,d0	B-s2,d0	B-s2,d0

Management systems

Quality: ISO 9001 • Environment: ISO 14001 • Energy: ISO 50001

Certifications, labels, warranty

Précontraint® Technology 5-year warranty									
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Tools and services

* LowE: No high-frequency welding: use of make-up strips recommended (cf. Soltis technical guide)
Soltissim: tool to evaluate energy savings that can be achieved with Soltis solar protection. Contact your Serge Ferrari representative.

¹ Summarizes the group's CSR project focused on human, to align economic performance and positive impact.

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

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The colors and textures presented are included for information only.