Serge Ferrari
architecture

Soltis

99

**Color, Alu, White,
LowE, Opaque**



BUITINK TECHNOLOGY
Advanced Lightweight Structures

Soltis 99

A complete range for optimised light control

Transparent or opaque, with colored, 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-emiting less heat than an 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.





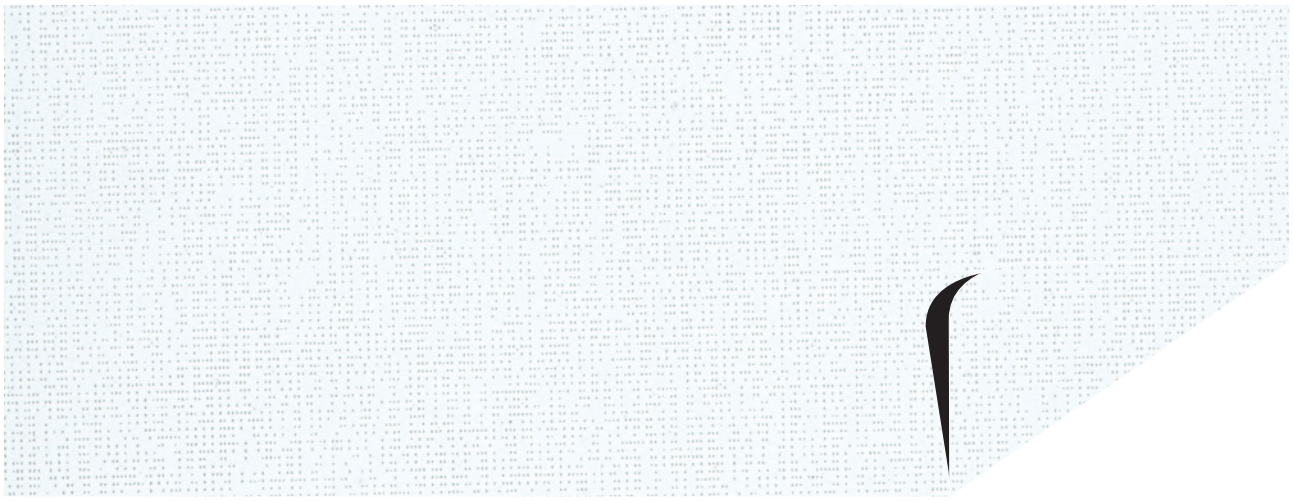
Performance

and design

for your comfort

Soltis 99

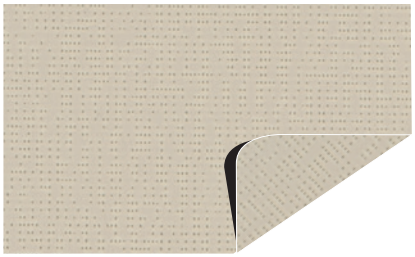
Color



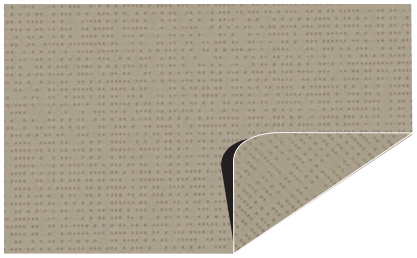
Snow white 99-50690



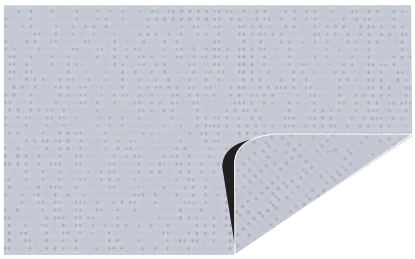
White 99-2044



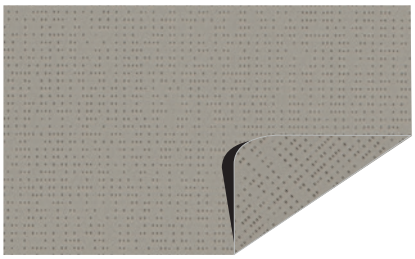
Quartz 99-50303



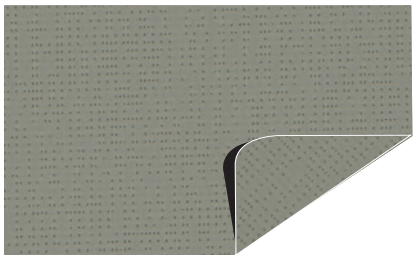
Hemp 99-50265



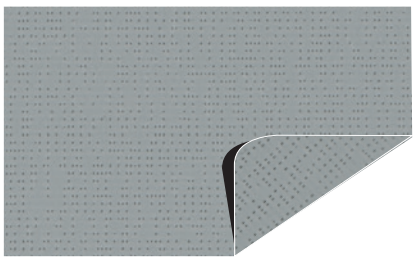
Spume 99-50301



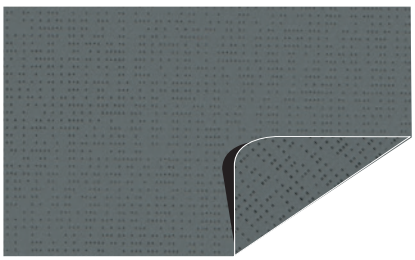
Sandy beige 99-2135



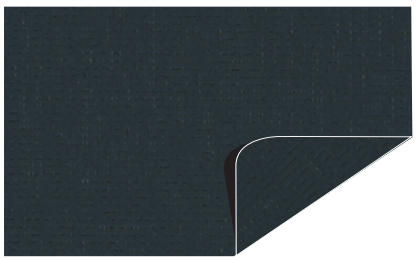
Clay 99-50305



Light grey 99-2011

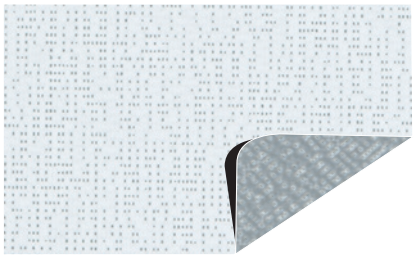


Medium grey 99-2069

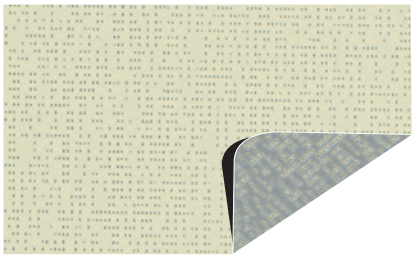


Anthracite 99-2047

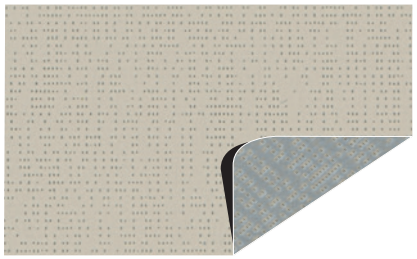
Alu



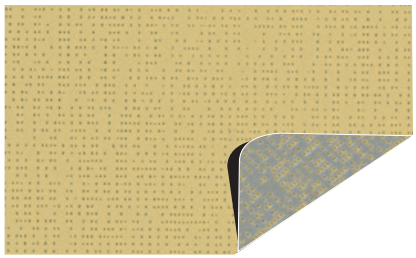
Snow white/Alu 99-51306



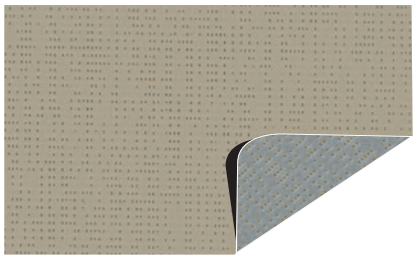
Pina colada/Alu 99-51308



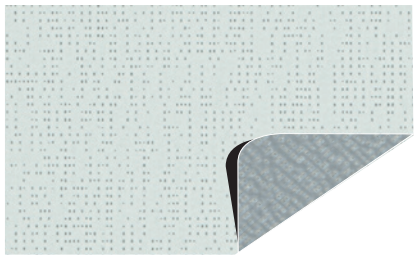
Quartz/Alu 99-550285



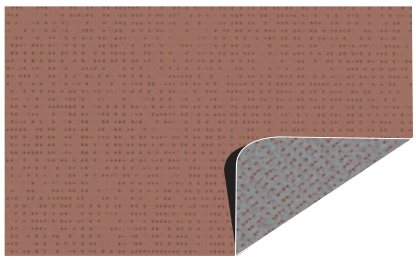
Tahini/Alu 99-51312



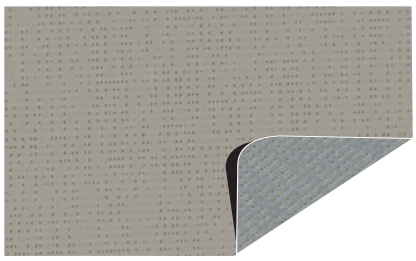
Hemp/Alu 99-550287



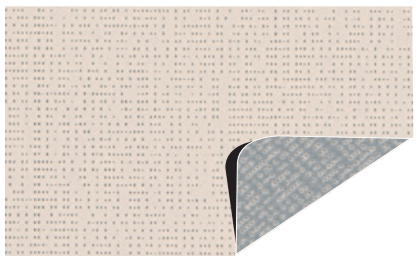
Thermal water/Alu 99-51309



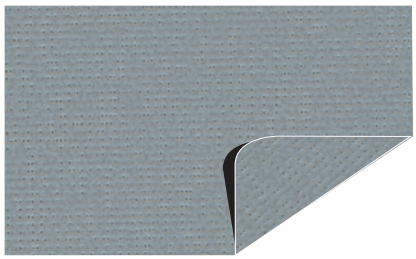
Arena/Alu 99-51310



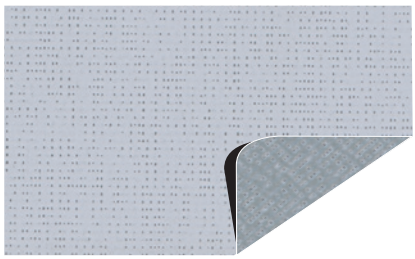
Sandy beige/Alu 99-550286



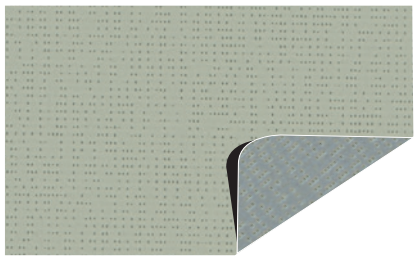
Nashi/Alu 99-51307



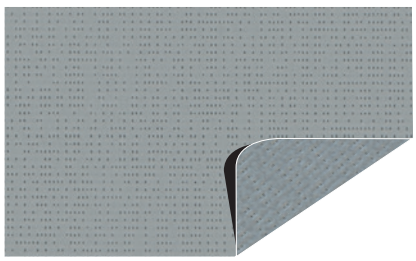
Alu/Alu 99-52059



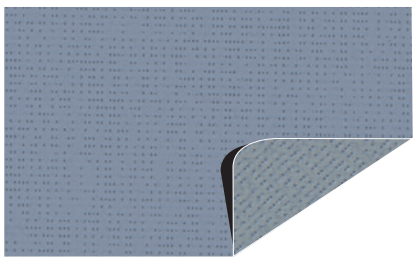
Spume/Alu 99-550284



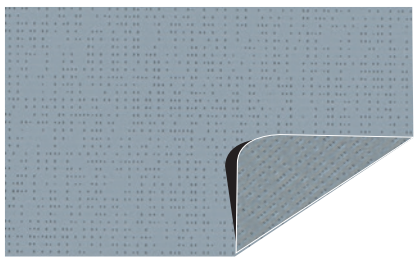
Green tea/Alu 99-51313



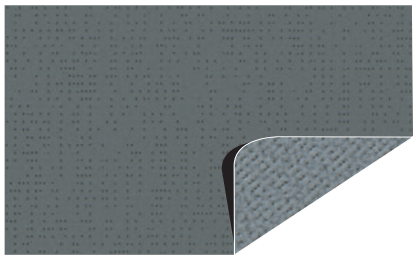
Light grey/Alu 99-52058



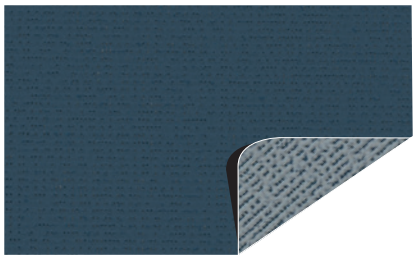
Shower/Alu 99-51324



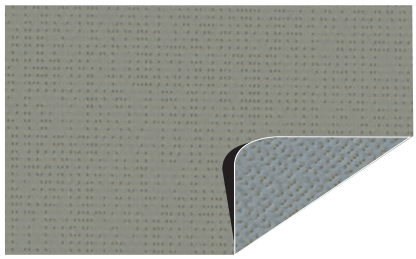
Fjord/Alu 99-550299



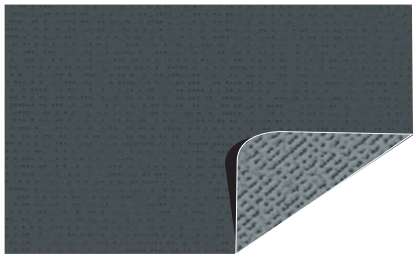
Medium grey/Alu 99-552073



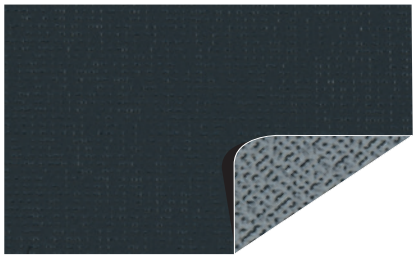
Crane/Alu 99-51314



Clay/Alu 99-550288



Elephant/Alu 99-51311



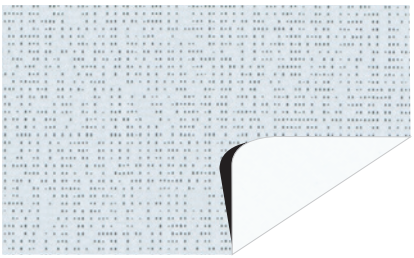
Anthracite/Alu 99-52068

White



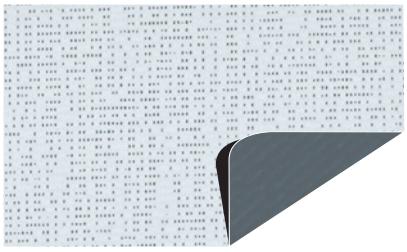
Black/Snow white 99-52115

Opaque White

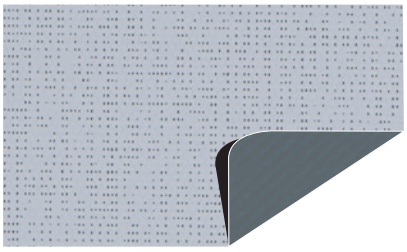


Snow white/White B990-51328

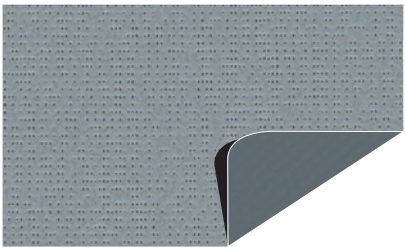
Opaque Alu



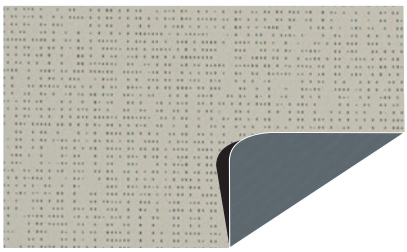
Snow white/Alu B99-51327



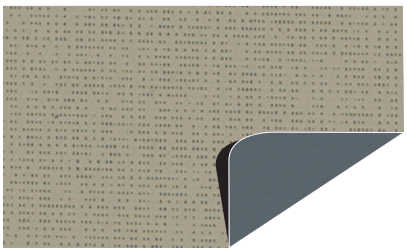
Spume/Alu B99-50284



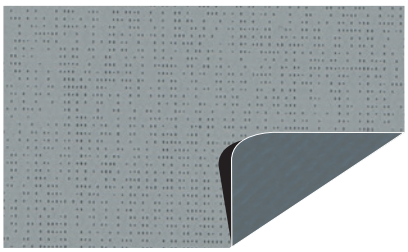
Alu/Alu B99-51936



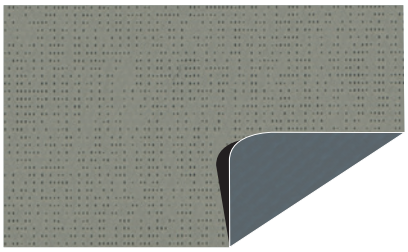
Quartz/Alu B99-50285



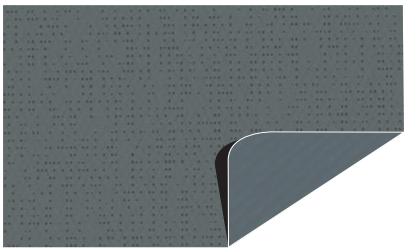
Hemp/Alu B99-50287



Light grey/Alu B99-50613



Clay/Alu B99-50288



Medium grey/Alu B99-50354



Anthracite/Alu B99-50614

LowE*



Snow white/LowE 99-2061E

Prescription area

Soltis 99 LowE*

Soltis 99 is also available on request in a LowE* version (99-2061E) in large and small widths (please contact us for details).

Our R&D team is at your disposal to study your needs for specific projects (special colours).

Soltis 99

Thermal and light transmission properties
(according to EN 14501)

		Width (cm-in) 177 69.7	Width (cm-in) 267 105.1	TS	RS	AS	TV n-h	$g_{tot}{}^{i*}$
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		•		14	47	39	10	0.19
99-50301		•	•	21	61	18	15	0.14
99-50303		•	•	22	58	20	16	0.16
99-50305		•		11	37	52	7	0.21
99-50690		•	•	21	68	11	18	0.12
Alu*								
99-51306 A		•	•	14	57	29	12	0.17
99-51306 B		•	•	14	71	22	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

		Width (cm-in) 170 66.9	Width (cm-in) 177 69.7	Width (cm-in) 267 105.1	TS	RS	AS	TV n-h	$g_{tot}{}^{i*}$
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)			•		6	65	29	6	0,12
99-52115 B (black)			•		6	6	88	6	0,29
Opaque White									
B990-51328		•			0	69	31	0	0.11
B990 Verso		•			0	76	24	0	0.07
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 Verso		•			0	29	71	0	0.22
LowE*									
99-2061E A			•	•	9	71	20	8	0.10
99-2061E B			•	•	9	70	21	8	0.11

* Also available in BV version in 126 mm width

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

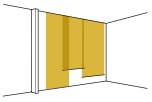
***** Detailed method ISO 52022-3

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

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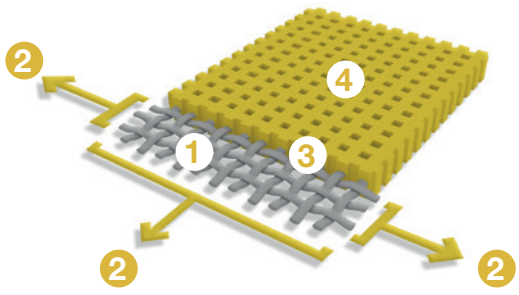
Main applications

	Color	Alu	White	LowE	Opaque Alu	Opaque White
Interior solar protection						
 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
Technical properties						
Openness factor	3%			3%	0%	0%
Weight EN ISO 2286-2	290 g/m² • 8.6 oz/sq. yd			290 g/m² • 8.6 oz/sq. yd	540 g/m² • 15.9 oz/sq. yd	650 g/m² • 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) EN 17679	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)			–	–	–
Environmental properties						
Carbon impact EN15804 + A2	2.13 kg CO_2 eq/m²				3.71 kg CO_2 eq/m²	4.36 kg CO_2 eq/m²
Fire resistance						
Rating	**M1**/NF P 92-507 **B1**/DIN 4102-1 **Class 1**/EN 13773 **Class 1**/UNI 9177 **VKF 5.3**/SN 198898 BS 7837 **Schwerbrennbar-Q1-Tr1**/ ONORM A 3800-1 NFPA 701 Method 1 & 2 CSFM T19 **Class A**/ASTM E84 CAN/ULC S109 AS/NZS 1530.2 & 1530.3 **Group 1**/AS/NZS 3837			**M1**/NF P 92-507 **B1**/DIN 4102-1 **Class 1**/EN 13773 **Class 1**/UNI 9177 **VKF 5.3**/SN 198898 BS 7837 **Schwerbrennbar-Q1-Tr1**/ ONORM A 3800-1 NFPA 701 Method 1 & 2 CSFM T19 **Class A**/ASTM E84 CAN/ULC S109 AS/NZS 1530.2 & 1530.3 **Group 1**/AS/NZS 3837	**B1**/DIN 4102-1 **Class 1**/EN 13773 **Class 2**/UNI 9177 BS 5867-2 Type C NFPA 701 Method 2 **Class A**/ASTM E84 AS/NZS 1530.2 & 1530.3	**B1**/DIN 4102-1 **Class 1**/EN 13773 **Class 2**/UNI 9177 BS 5867-2 Type C NFPA 701 Method 2 **Class A**/ASTM E84 AS/NZS 1530.3
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					Except B99 and B990	
Tools and services						

Soltis 99 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.

The global warming value has been validated by the Bureau Veritas certification company.

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The colors and textures presented are included for information only.

Serge Ferrari group

BUITINK TECHNOLOGY Advanced Lightweight Structures

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