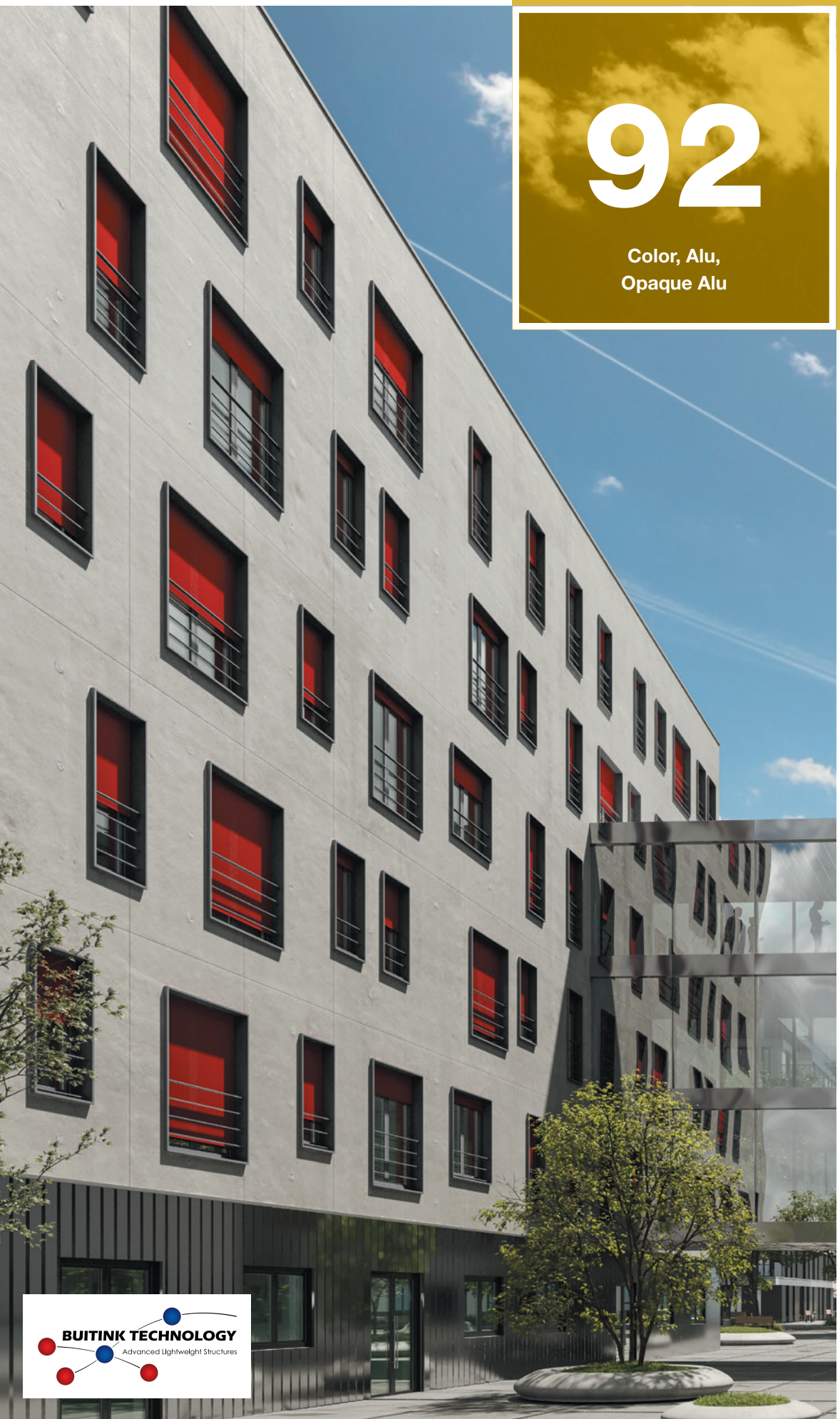
Serge Ferrari
architecture

Soltis

92

**Color, Alu,
Opaque Alu**



BUITINK TECHNOLOGY
Advanced Lightweight Structures

Soltis 92

Optimum performance to improve building comfort

Thanks to its Color, Alu and Opaque versions, the Soltis 92 range allows you to improve the comfort of occupants

92 Color & Alu

- **Keeps out up to 97% of the heat**: acts like a heat shield. Its micro-vents filter the heat, reducing a building's energy costs.
- **Glare control** is combined with excellent transparency for better user comfort.

Its thermal and optical performance earns building certification program points (LEED, BREEAM, Minergie, HQE, etc.).

A range of colors designed by our design office to match the entire building environment (joinery, façades, profiles).

- **High color resistance over time**: color is preserved even after several years of exposure (according to the ISO 105 A02 scale).

92 Opaque Alu

A solution adapted according to your needs for a complete opacity:

- maximum opacity level (Class 4 according to EN 14501 standard)
- ideal for the most light-sensitive areas: rooms for conserving artwork, radiology and photography labs, etc.
- no detectable transmission of visible light, infra-red rays or UV rays
- resistance to harsh weather elements when used outdoors.

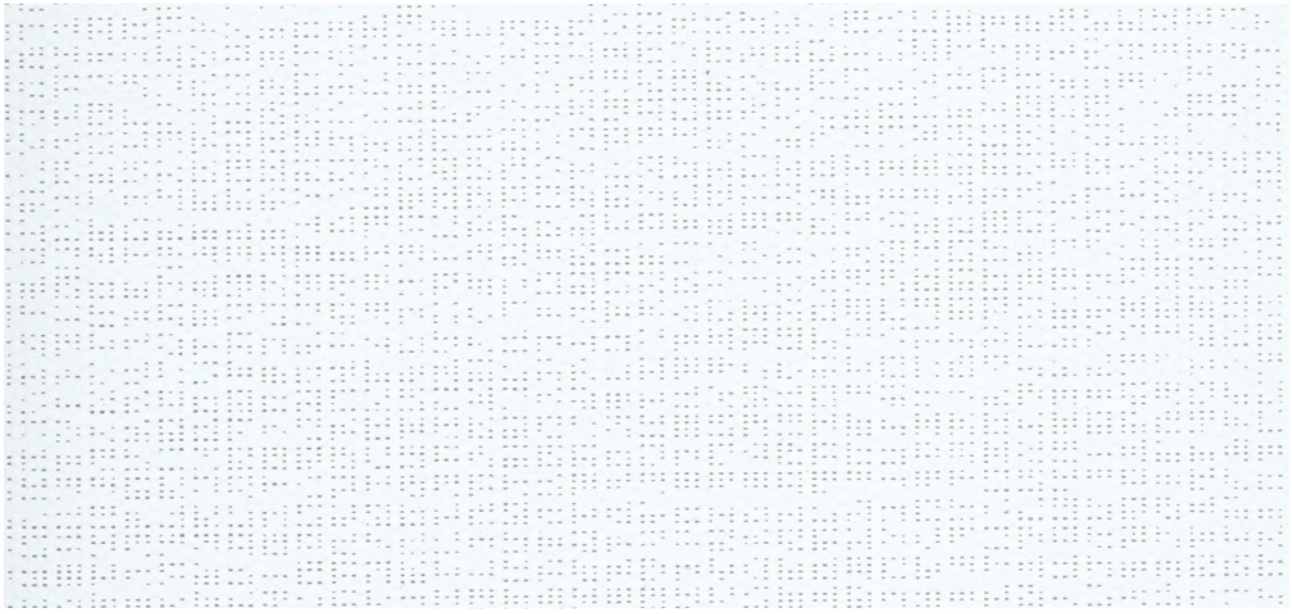




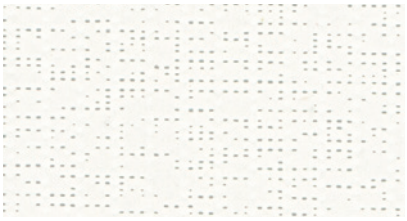
Outstanding thermal and visual performances

Soltis 92

Color



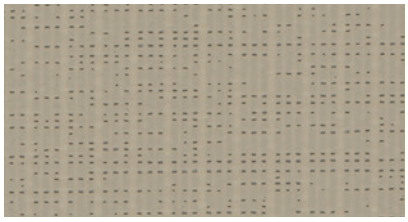
Snow white 92-50690



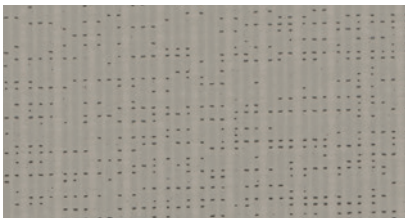
White 92-2044



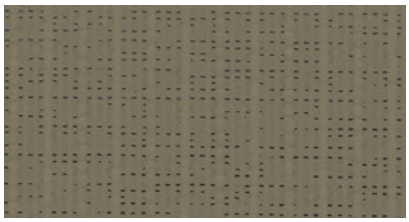
Champagne 92-2175



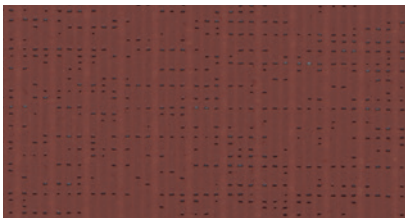
Hemp 92-50265



Sandy beige 92-2135



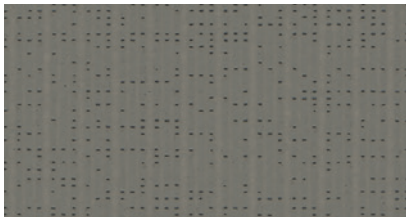
Pepper 92-2012



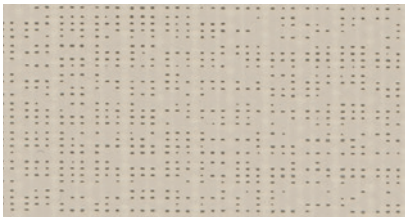
Brick 92-51180



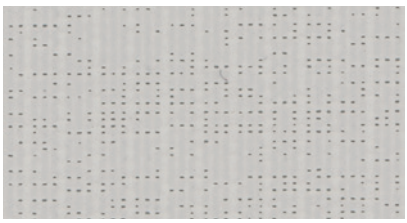
Bronze 92-2043



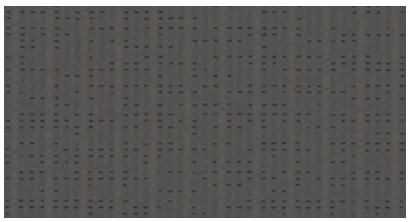
Taupe 92-50850



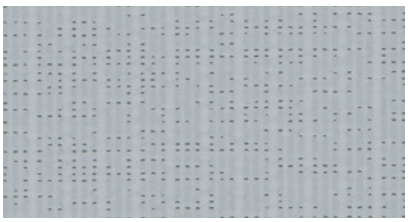
Quartz 92-50303



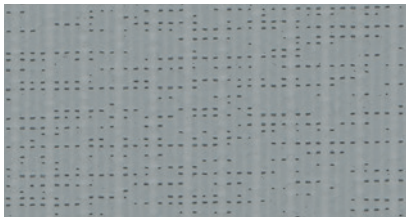
Shea 92-50843



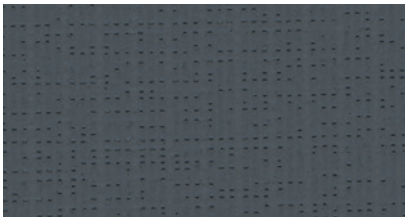
Havana-Brown 92-50266



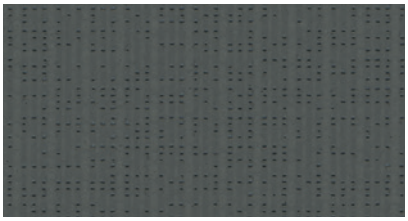
Cloud 92-50272



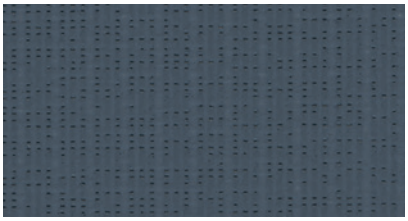
Boulder 92-2171



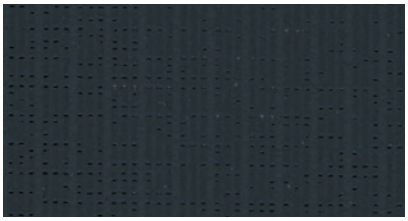
Concrete 92-2167



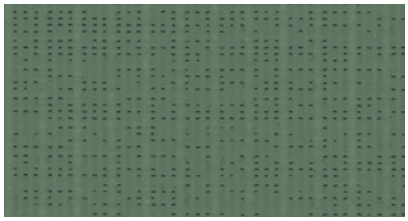
Dark grey 92-51177



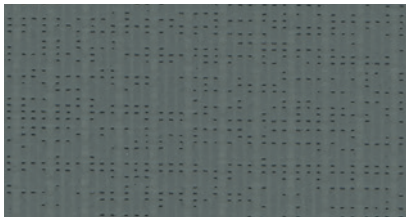
Celestial grey 92-51178



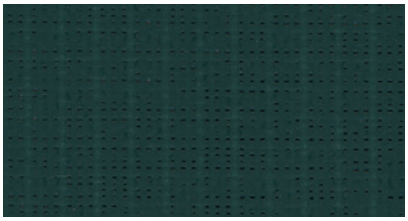
Anthracite 92-2047



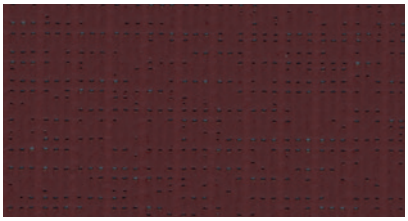
Moss green 92-2158



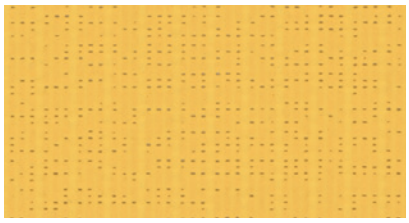
Green-grey 92-51179



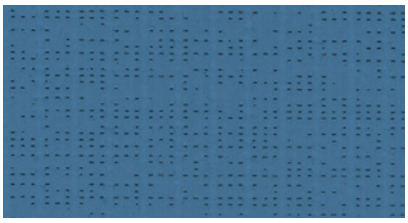
Tennis green 92-8056



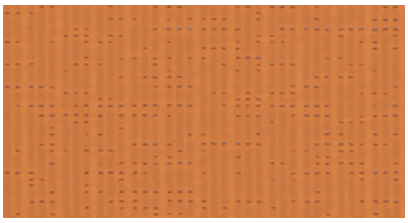
Deep red 92-51181



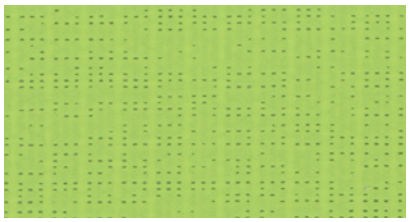
Buttercup 92-2166



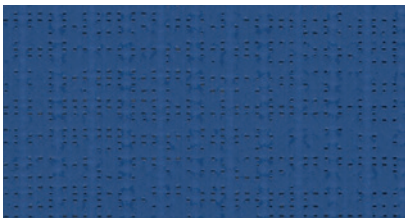
Lagoon 92-2160



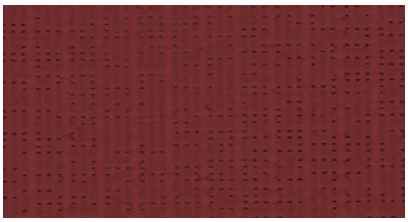
Orange 92-8204



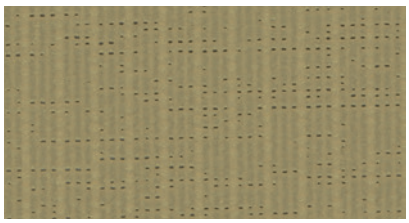
Aniseed 92-2157



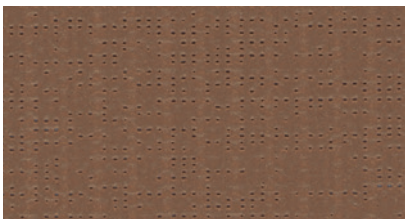
Deep blue 92-51182



Red 92-8255



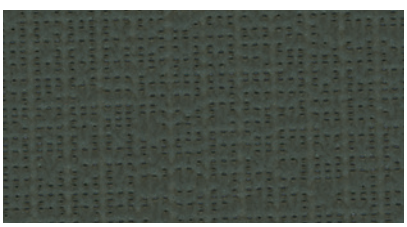
Gold 92-50273



Copper 92-50274



Beaten metal 92-2045

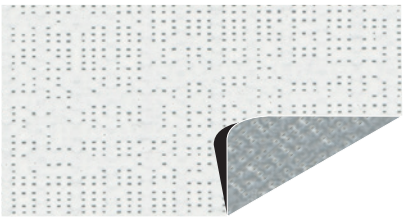


Beetle 92-2149

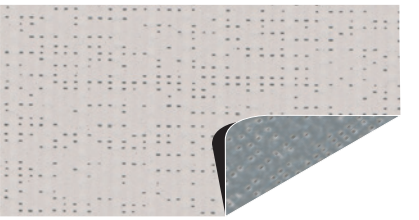


Deep black 92-51176

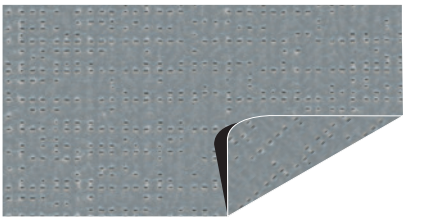
Alu



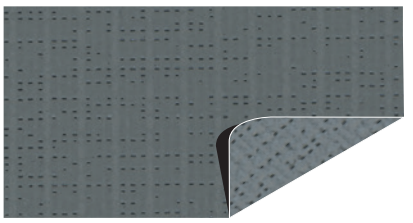
White/Alu **92-2051**



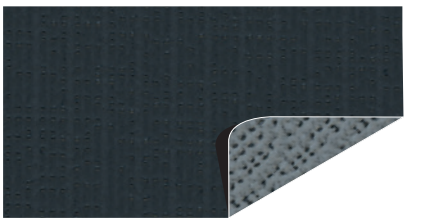
Oat/Alu **92-2046**



Alu/Alu **92-2048**

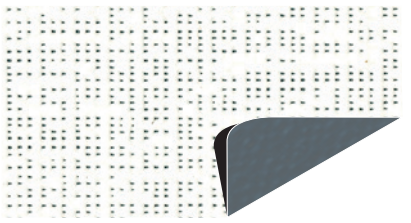


Medium grey/Alu **92-2074**

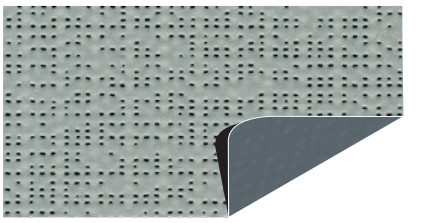


Anthracite/Alu **92-2068**

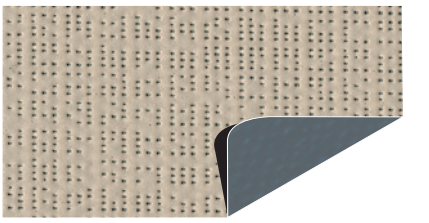
Opaque Alu



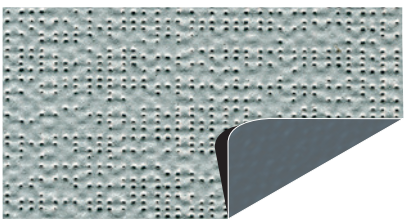
White/Alu **B92-1044**



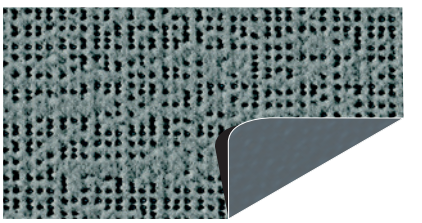
Boulder/Alu **B92-2171**



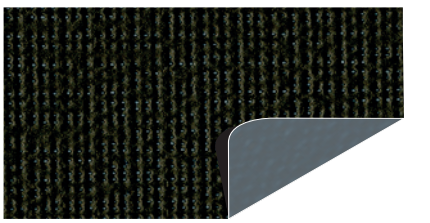
Sandy beige/Alu **B92-2135**



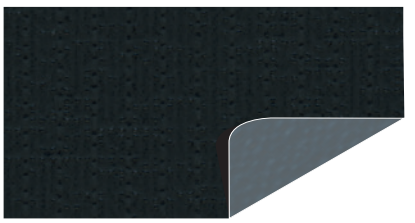
Alu/Alu **B92-1046**



Beaten metal/Alu **B92-1045**



Bronze/Alu **B92-1043**



Deep black/Alu **B92-51176**

A range of colours to match every kind of project

The new Soltis 92 range features colors designed by our design office to complement the building's entire environment (joinery. openings and facades). The colours present tones that match the most common colours (RAL and NCS references).

Download
our RAL and NCS color correspondence

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	$g_{tot}{}^{e*}$	$g_{tot}{}^{i*}$
Color									
92-2012		•	•	7	29	64	5	0,04	0,24
92-2043		•	•	5	12	83	5	0,04	0,28
92-2044		•	•	20	69	11	18	0,07	0,11
92-2045		•	•	4	33	63	4	0,03	0,22
92-2047		•	•	5	8	87	4	0,04	0,28
92-2135		•	•	11	48	41	7	0,04	0,19
92-2149		•		4	14	82	4	0,04	0,27
92-2157		•		15	49	36	10	0,05	0,20
92-2158		•		6	28	66	4	0,03	0,24
92-2160		•		10	35	55	4	0,04	0,24
92-2166		•		20	53	27	16	0,07	0,19
92-2167		•	•	5	17	78	5	0,04	0,26
92-2171		•	•	9	40	51	7	0,04	0,20
92-2175		•	•	20	64	16	18	0,07	0,14
92-8056		•		2	10	88	2	0,03	0,28
92-8204		•		21	45	34	11	0,06	0,23
92-8255		•		13	25	62	6	0,05	0,27
92-50265		•	•	9	49	42	6	0,04	0,18
92-50266		•		4	19	77	3	0,03	0,26
92-50272		•	•	12	54	34	9	0,05	0,16
92-50273		•		9	40	51	6	0,04	0,21
92-50274		•		9	34	57	5	0,04	0,24
92-50303		•	•	15	63	22	10	0,05	0,15
92-50690		•	•	17	73	10	15	0,06	0,10
92-50843		•	•	13	62	25	10	0,05	0,14
92-50850		•	•	5	31	64	3	0,03	0,23

		Width (cm-in) 170 66.9	Width (cm-in) 177 69.7	Width (cm-in) 267 105.1	TS	RS	AS	TV n-h	$g_{tot}{}^{e*}$	$g_{tot}{}^{i*}$
Color										
92-51176			•	•	3	5	92	3	0,03	0,29
92-51177			•	•	3	18	79	3	0,03	0,26
92-51178			•		4	20	76	3	0,03	0,26
92-51179			•		6	29	65	4	0,03	0,24
92-51180			•		6	27	67	3	0,03	0,26
92-51181			•		4	17	79	3	0,03	0,28
92-51182			•		8	26	66	4	0,03	0,27
Alu										
92-2046 A			•	•	11	45	44	9	0,05	0,18
92-2046 B			•	•	11	61	28	9	0,05	0,14
92-2048			•	•	9	47	44	8	0,04	0,18
92-2051 A			•	•	12	49	39	11	0,06	0,17
92-2051 B			•	•	12	71	17	11	0,05	0,10
92-2068 A			•		4	34	62	4	0,03	0,22
92-2068 B			•		4	8	88	4	0,04	0,28
92-2074 A			•	•	4	38	58	4	0,03	0,21
92-2074 B			•	•	4	23	73	4	0,03	0,24
Opaque Alu										
B92-1043		•			–	14	86	–	0,02	0,28
B92-1044		•			–	69	31	–	0,01	0,10
B92-1045		•			–	40	60	–	0,02	0,19
B92-1046		•			–	49	51	–	0,02	0,17
B92-2135		•			–	46	54	–	0,02	0,18
B92-2171		•			–	44	56	–	0,02	0,18
B92-51176		•			–	6	94	–	0,02	0,28
B92-Verso		•			–	28	72	–	0,03	0,22

TS	Solar Transmission in %
RS	Solar Reflection in %
AS	Solar Absorption in %
TS + RS + AS	=100% of the incident energy
TV n-h	Normal Visible light transmission - hemispherical in %
A	Aluminium surface exposed to the sun
B	Colored surface exposed to the sun
$g_{tot}{}^{e}$	External Solar Factor
$g_{tot}{}^{i}$	Indoor Solar Factor

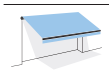
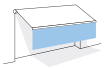
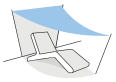
* Detailed method ISO 52022-3

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.



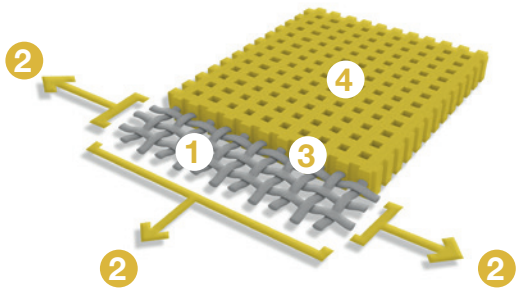
Serge Ferrari
architecture

Main applications

	Color	Alu	Opaque Alu
Exterior solar protection & Terrace			
 Facade blind	✓	✓	✓
 Projection awning	✓	✓	✓
 Wintergarden blind	✓	✓	✓
 Fixed pergola roof	✓	✓	
 Rollable pergola roof	✓	✓	
 Retractable pergola roof	✓	✓	
 Lateral pergola blind	✓	✓	
 Retractable arm awning	✓	✓	
 Awning valance	✓	✓	
 Wind shield	✓	✓	
 Shade-sail	✓	✓	
Interior solar protection			
 Roller blind	✓	✓	✓

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 92

	Color	Alu	Opaque Alu
Technical properties			
Openness factor	4%		0%
Weight EN ISO 2286-2	420 g/m² • 12.4 oz/sq. yd		650 g/m² • 19.2 oz/sq. yd
Thickness	0.45 mm • 450 microns		0.60 mm • 600 microns
Width	177 cm - 267 cm • 69.7 in - 105.1 in		170 cm • 66.9 in
Roll length			
In 170 cm • 66.9 in	–		40 lm • 43.74 yd
In 177 cm • 69.7 in	50 lm • 54.68 yd		–
In 267 cm • 105.1 in	40 lm • 43.74 yd		–
Physical properties			
Tensile strength (warp/weft) EN ISO 1421	310/210 daN/5 cm • 697/472 lbs/2 in		310/210 daN/5 cm • 697/472 lbs/2 in
Tear strength (warp/weft) EN 17679	45/20 daN • 101/45 lbs		45/20 daN • 101/45 lbs
Opacity class (Opaque Alu) EN 14501	–		Class 4 (200,000 lux)
Environmental properties			
Carbon impact EN 15804 + A2	2.82 kg CO_2 eq/m²		4.28 kg CO_2 eq/m²
Fire resistance			
Rating	**M1**/NF P 92-507 **B1**/DIN 4102-1 **M1**/UNE 23727 **Class 1**/EN 13773 **Class 1**/UNI 9177 **VKF 5.3**/SN 198898 BS 7837 BS 5867-2 Type B **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 **VKF 5.3**/SN 198898 BS 5867-2 Type B **Schwerbrennbar-Q1-Tr1**/ONORM A 3800-1 NFPA 701 Method 2 CSFM T19 **Class A**/ASTM E84 CAN/ULC S109 AS/NZS 1530.2 & 1530.3 **Group 1**/AS/NZS 3837
Euroclass EN 13501-1	**B-s2,d0**		**B-s2,d0**
Management system			
	Quality: ISO 9001 • **Environment**: ISO 14001 • **Energy**: ISO 50001		
Certifications, labels, warranty			

Précontraint® Technology

5-year warranty

Soltis 92 Color & Alu

Tools and Services

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.

The technical data above are averaged values with a +/-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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