

92

Color, Alu,
Opaque Alu



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 _____



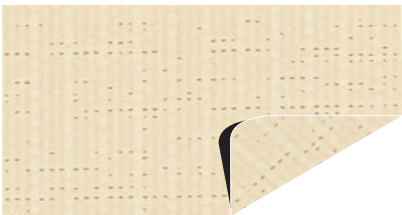
Snow white

92-50690



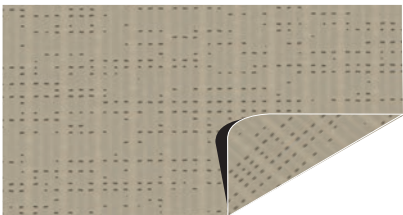
White

92-2044



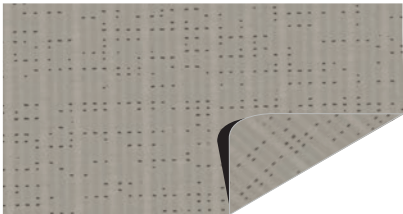
Champagne

92-2175



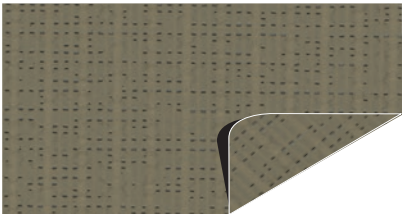
Hemp

92-50265



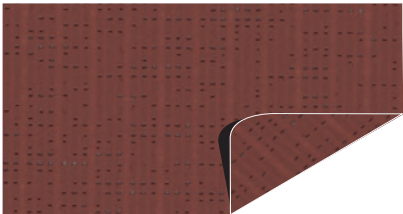
Sandy beige

92-2135



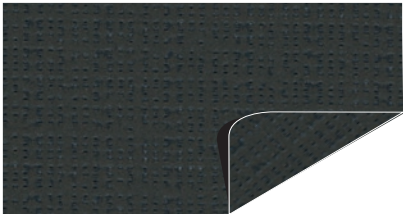
Pepper

92-2012



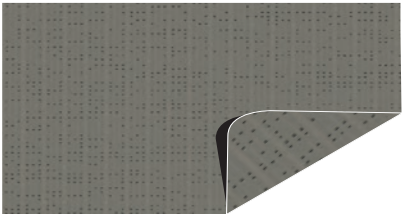
Brick

92-51180



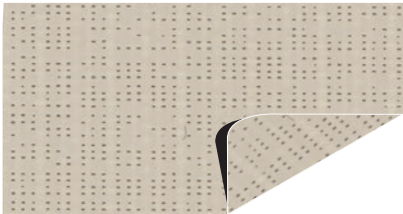
Bronze

92-2043



Taupe

92-50850



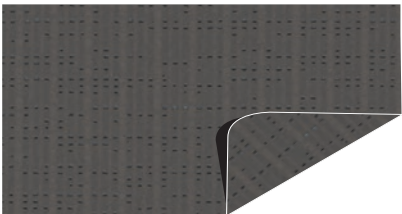
Quartz

92-50303



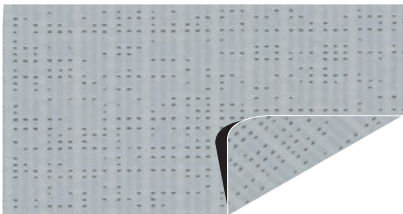
Shea

92-50843



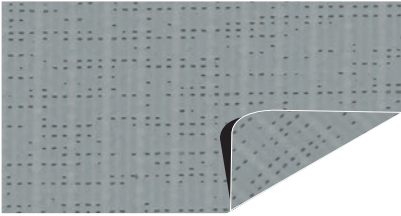
Havana-Brown

92-50266

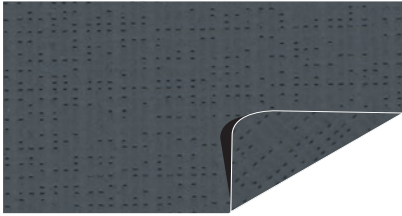


Cloud

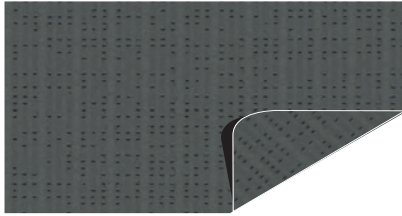
92-50272



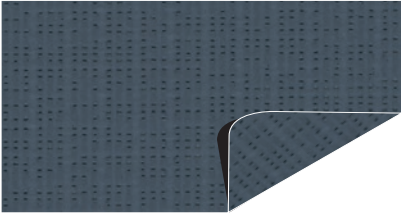
Boulder 92-2171



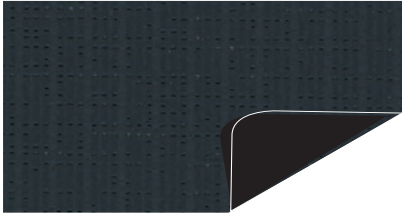
Concrete 92-2167



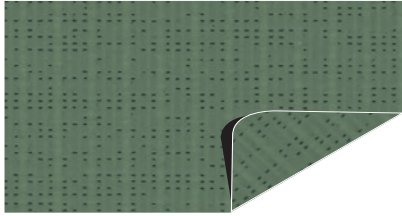
Dark grey 92-51177



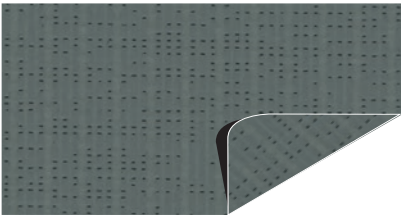
Celestial grey 92-51178



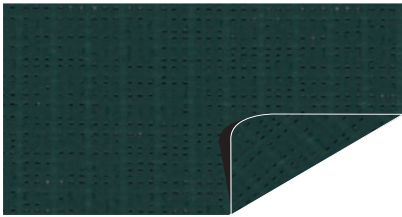
Anthracite 92-2047



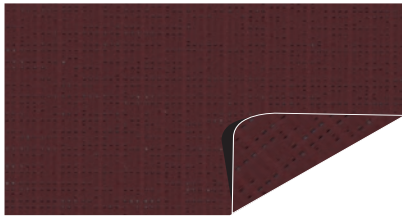
Moss green 92-2158



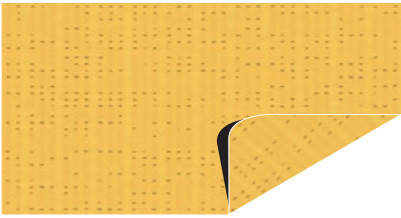
Green-grey 92-51179



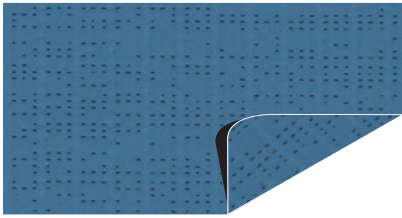
Tennis green 92-8056



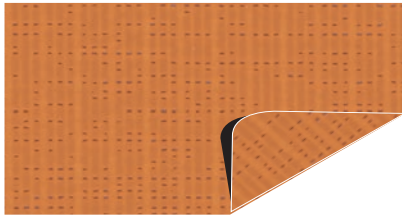
Deep red 92-51181



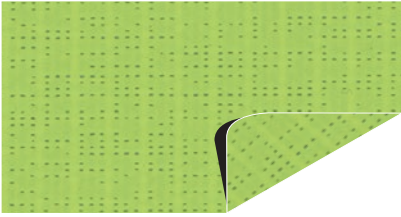
Buttercup 92-2166



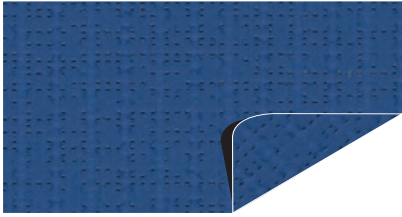
Lagoon 92-2160



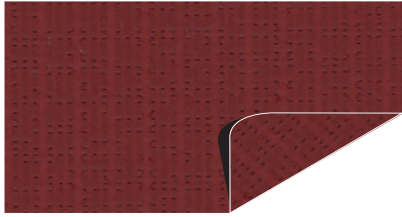
Orange 92-8204



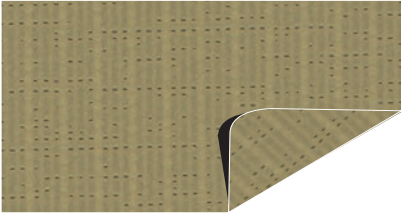
Aniseed 92-2157



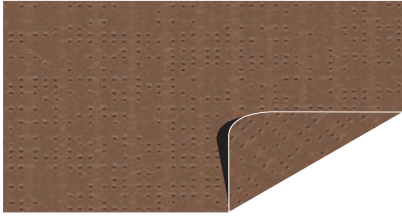
Deep blue 92-51182



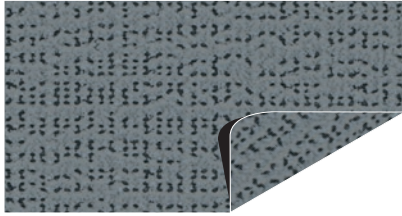
Red 92-8255



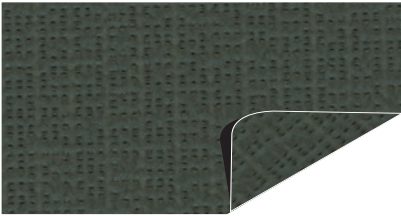
Gold 92-50273



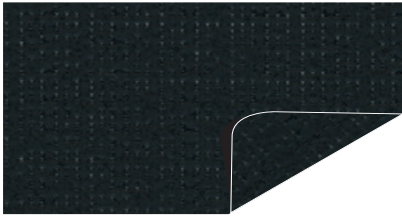
Copper 92-50274



Beaten metal 92-2045

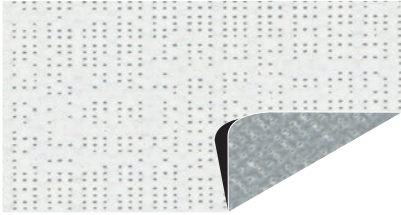


Beetle 92-2149



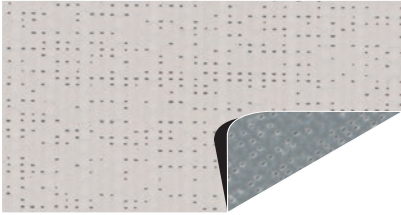
Deep black 92-51176

Alu



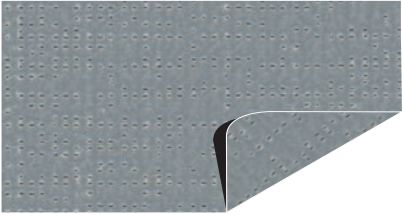
White/Alu

92-2051



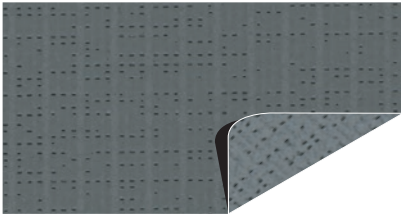
Oat/Alu

92-2046



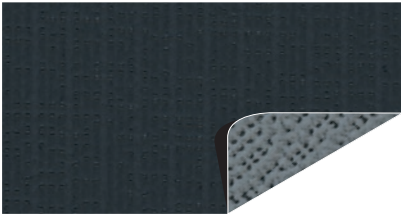
Alu/Alu

92-2048



Medium grey/Alu

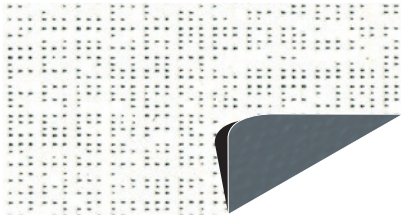
92-2074



Anthracite/Alu

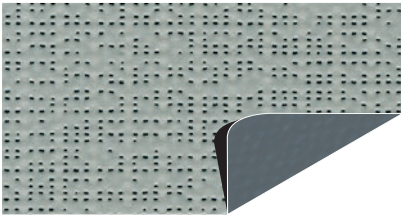
92-2068

Opaque Alu



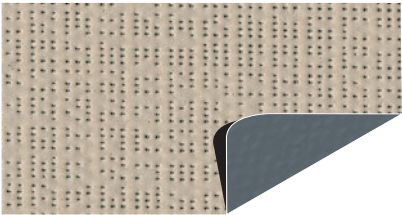
White/Alu

B92-1044



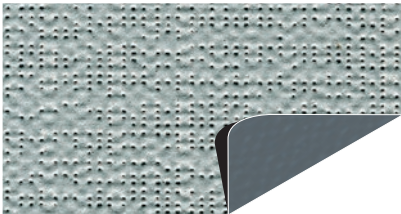
Boulder/Alu

B92-2171



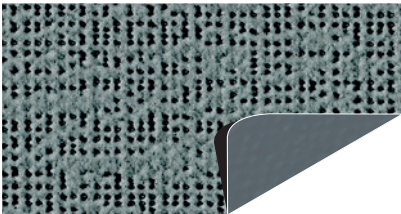
Sandy beige/Alu

B92-2135



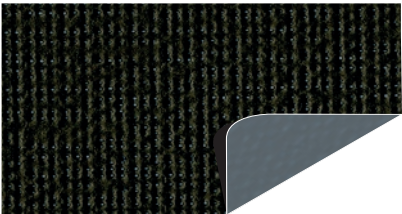
Alu/Alu

B92-1046



Beaten metal/Alu

B92-1045



Bronze/Alu

B92-1043



Deep black/Alu

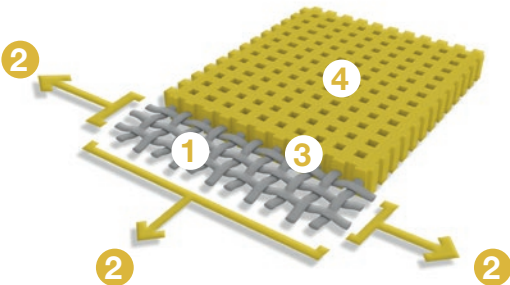
B92-51176

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

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 69.7	267 105.1					g _{tot} ^e	g _{tot} ⁱ
		Color							
92-2012				7	30	63	6	0.04	0.24
92-2043				4	13	83	4	0.04	0.28
92-2044				19	68	13	17	0.07	0.11
92-2045				4	35	61	4	0.03	0.22
92-2047				5	8	87	5	0.04	0.28
92-2135				11	46	43	8	0.04	0.19
92-2149				5	16	79	4	0.04	0.27
92-2157				15	51	34	10	0.05	0.20
92-2158				7	28	65	5	0.03	0.24
92-2160				11	36	53	5	0.04	0.24
92-2166				21	54	25	17	0.07	0.19
92-2167				6	19	75	5	0.04	0.26
92-2171				8	41	51	6	0.04	0.20
92-2175				19	65	16	17	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				12	28	60	4	0.05	0.27
92-50265				9	49	42	6	0.04	0.18
92-50266				4	19	77	4	0.03	0.26
92-50272				12	55	33	9	0.05	0.16
92-50273				8	42	50	5	0.04	0.21
92-50274				8	35	57	4	0.04	0.24
92-50303				15	63	22	10	0.05	0.15
92-50843				13	62	25	10	0.05	0.14
92-50850				5	31	64	3	0.03	0.23
92-50690				17	73	10	15	0.06	0.10

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

		Width (cm-in)		TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing		
		170 66.9	177 69.7					267 105.1	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				5	20	75	4	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				12	46	42	10	0.05	0.18
92-2046 B				12	63	25	10	0.05	0.14
92-2048				8	46	46	8	0.04	0.18
92-2051 A				12	49	39	11	0.06	0.17
92-2051 B				12	70	18	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	37	59	4	0.03	0.21
92-2074 B				4	25	71	4	0.03	0.24

Opaque Alu									
B92-1043				—	13	87	—	0.02	0.28
B92-1044				—	70	30	—	0.01	0.27
B92-1045				—	38	62	—	0.02	0.19
B92-1046				—	49	51	—	0.02	0.17
B92-2135				—	47	53	—	0.02	0.18
B92-2171				—	45	55	—	0.02	0.18
B92-51176				—	6	94	—	0.02	0.28
B92-Verso				—	29	71	—	0.03	0.22

* 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.



Soltis 92

Color	Alu	Opaque Alu
-------	-----	------------

Technical properties

Openness factor	4%	0%
Weight EN ISO 2286-2	420 g/m ² • 12.4 oz/sq. yd	650 g/m ² • 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) DIN 53.363	45/20 daN • 101/45 lbs	45/20 daN • 101/45 lbs
Opacity class (Opaque Alu) EN 14501	—	Class 4 (200,000 lux)

Fire resistance

Rating	M1/NF P 92-507 B1/DIN 4102-1 M1/UNE 23.727-90 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/NFPA 701 Method 2/NFPA 701 CSFM T19 Class A/ASTM E84 CAN ULCS109 AS/NZS 1530.2 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 VKF 5.3/SN 198898 BS 5867-2 Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 Method 1/NFPA 701 Method 2/NFPA 701 CSFM T19 Class A/ASTM E84 CAN ULCS109 AS/NZS 1530.2 AS/NZS 1530.3 Group 1/AS NZS 3837 G1/GOST 30244-94
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	         
---	---

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 purchaser of our products is responsible for their application or transformation in relation to possible third party rights. The purchaser of our products is responsible for their installation 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.

The colors and textures presented are included for information only.