

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

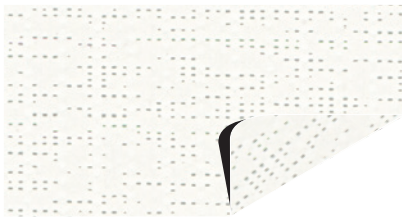
## Color

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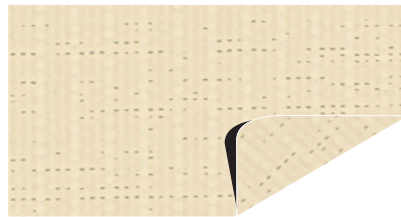
**Snow white**

**92-50690**



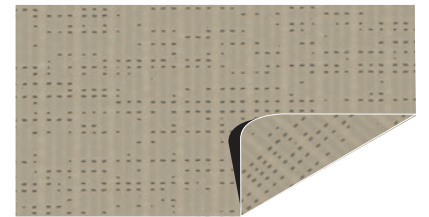
**White**

**92-2044**



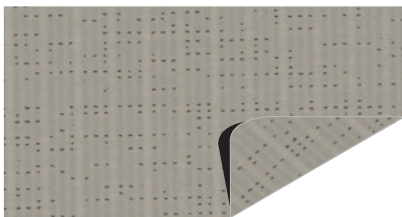
**Champagne**

**92-2175**



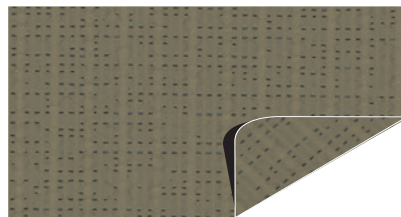
**Hemp**

**92-50265**



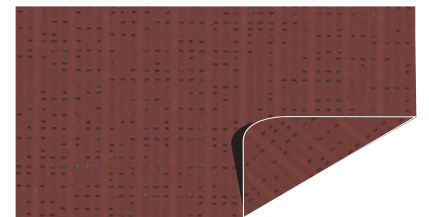
**Sandy beige**

**92-2135**



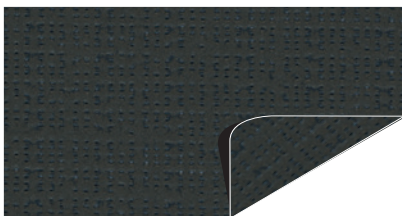
**Pepper**

**92-2012**



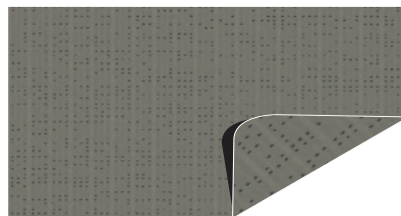
**Brick**

**92-51180**



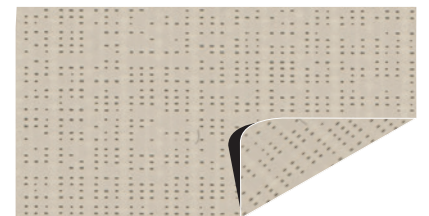
**Bronze**

**92-2043**



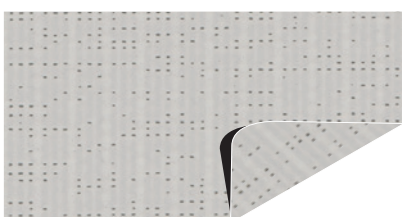
**Taupe**

**92-50850**



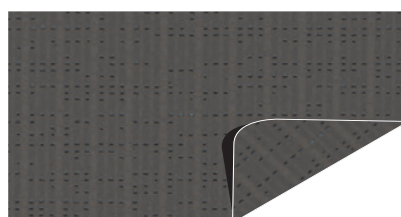
**Quartz**

**92-50303**



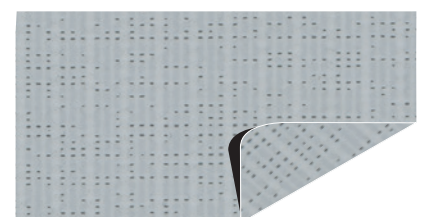
**Shea**

**92-50843**



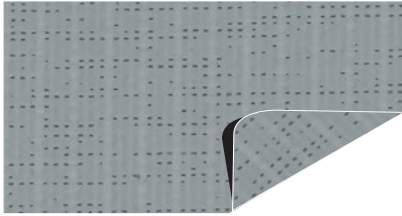
**Havana-Brown**

**92-50266**



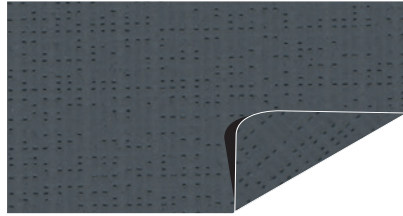
**Cloud**

**92-50272**



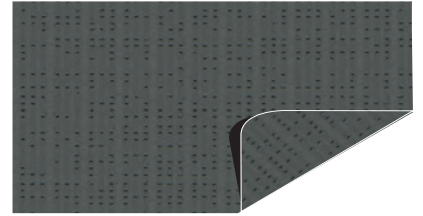
**Boulder**

**92-2171**



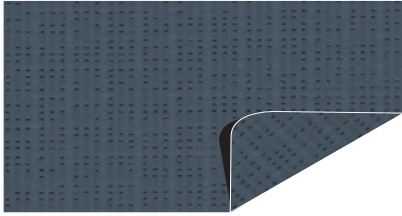
**Concrete**

**92-2167**



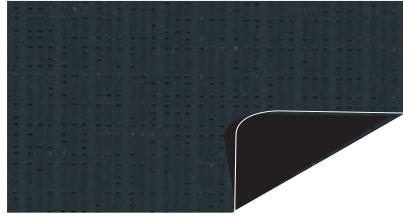
**Dark grey**

**92-51177**



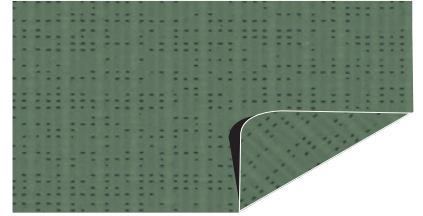
**Celestial grey**

**92-51178**



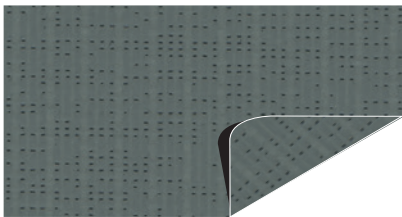
**Anthracite**

**92-2047**



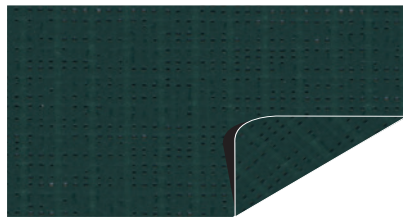
**Moss green**

**92-2158**



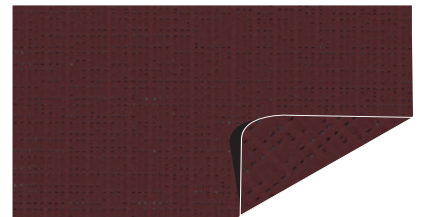
**Green-grey**

**92-51179**



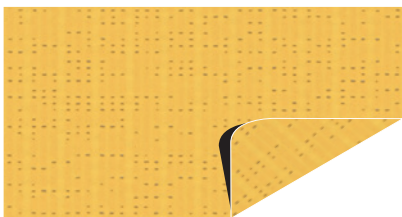
**Tennis green**

**92-8056**



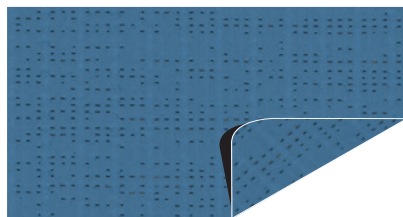
**Deep red**

**92-51181**



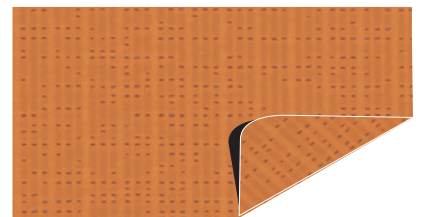
**Buttercup**

**92-2166**



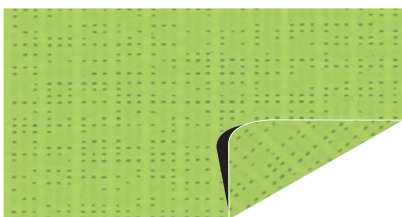
**Lagoon**

**92-2160**



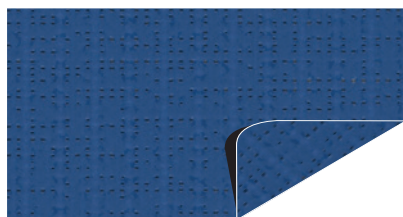
**Orange**

**92-8204**



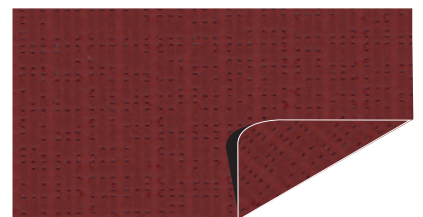
**Aniseed**

**92-2157**



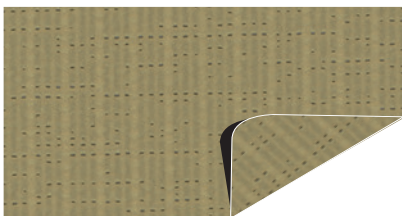
**Deep blue**

**92-51182**



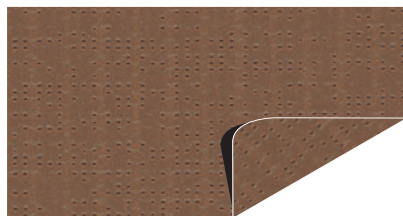
**Red**

**92-8255**



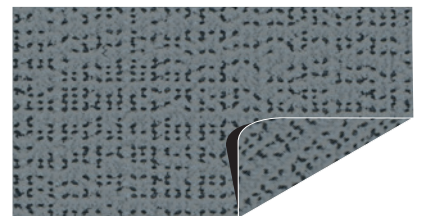
**Gold**

**92-50273**



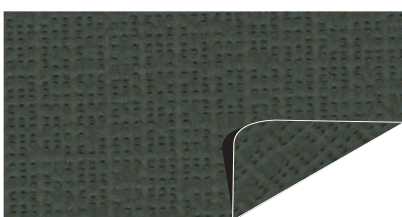
**Copper**

**92-50274**



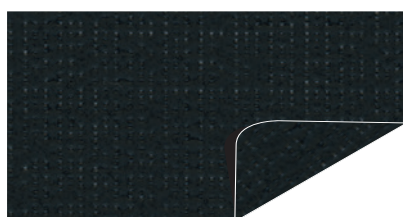
**Beaten metal**

**92-2045**



**Beetle**

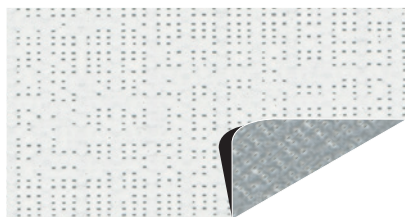
**92-2149**



**Deep black**

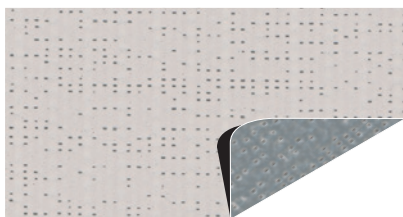
**92-51176**

# Alu



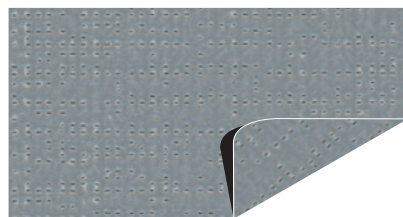
White/Alu

92-2051



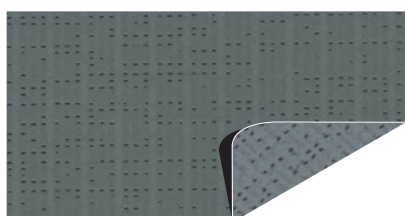
Oat/Alu

92-2046



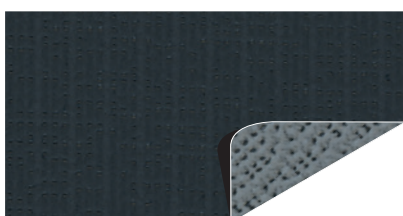
Alu/Alu

92-2048



Medium grey/Alu

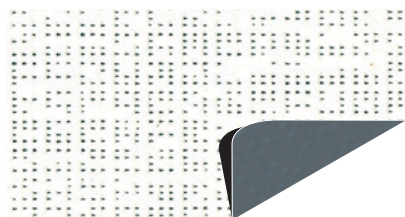
92-2074



Anthracite/Alu

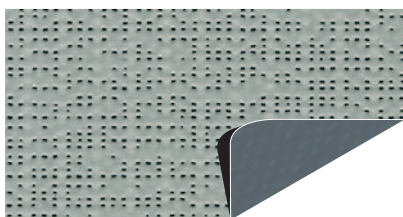
92-2068

# Opaque Alu



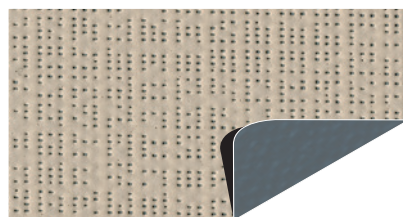
White/Alu

B92-1044



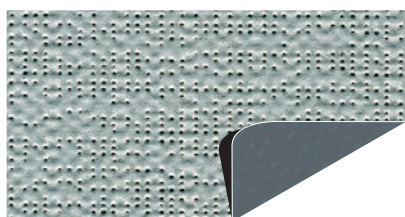
Boulder/Alu

B92-2171



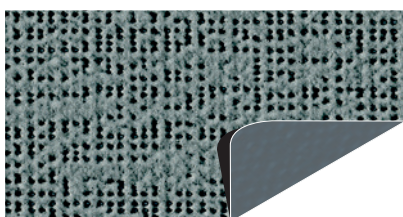
Sandy beige/Alu

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)	TS	RS	AS	TV n-h	g <sub>tot</sub> <sup>e*</sup>	g <sub>tot</sub> <sup>i*</sup>	
								177 69.7
<b>Color</b>								
92-2012		• •	7	30	63	5	0.04	0.24
92-2043		• •	4	13	83	5	0.04	0.28
92-2044		• •	19	68	13	18	0.07	0.11
92-2045		• •	4	35	61	4	0.03	0.22
92-2047		• •	5	8	87	4	0.04	0.28
92-2135		• •	11	46	43	7	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	4	0.03	0.24
92-2160		• •	11	36	53	4	0.04	0.24
92-2166		• •	21	54	25	16	0.07	0.19
92-2167		• •	6	19	75	5	0.04	0.26
92-2171		• •	8	41	51	7	0.04	0.20
92-2175		• •	19	65	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		• •	12	28	60	5	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	55	33	9	0.05	0.16
92-50273		• •	8	42	50	6	0.04	0.21
92-50274		• •	8	35	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

<b>TS</b>	Solar Transmission in %
<b>RS</b>	Solar Reflection in %
<b>AS</b>	Solar Absorption in %
<b>TS + RS + AS</b>	=100% of the incident energy
<b>TV n-h</b>	Normal Visible light transmission - hemispherical in %
<b>A</b>	Aluminium surface exposed to the sun
<b>B</b>	Colored surface exposed to the sun
<b>g<sub>tot</sub><sup>e</sup></b>	External Solar Factor
<b>g<sub>tot</sub><sup>i</sup></b>	Indoor Solar Factor







	Width (cm-in)	TS	RS	AS	TV n-h	g <sub>tot</sub> <sup>e*</sup>	g <sub>tot</sub> <sup>i*</sup>	
								170 66.9
<b>Color</b>								
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	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
<b>Alu</b>								
92-2046 A		• •	12	46	42	9	0.05	0.18
92-2046 B		• •	12	63	25	9	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
<b>Opaque Alu</b>								
B92-1043		•	-	13	87	-	0.02	0.28
B92-1044		•	-	70	30	-	0.01	0.10
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<sub>tot</sub>.  
Type "D" glazing: insulating double glazing with low emissivity on surface 2 (4 + 16 + 4; Argon filling)  
g = 0.32 - U = 1.1.

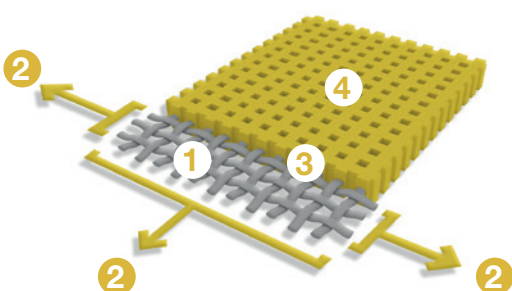


## Main applications

		Color	Alu	Opaque Alu
<b>Exterior solar protection &amp; Terrace</b>				
	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	✓	✓	
<b>Interior solar protection</b>				
	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
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## Technical properties

Openness factor	4%	0%
Weight EN ISO 2286-2	420 g/m <sup>2</sup> • 12.4 oz/sq. yd	650 g/m <sup>2</sup> • 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)

## Environmental properties

Carbon impact EN 15804 + A1	2.49 kg CO <sub>2</sub> eq/m <sup>2</sup>	
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## Fire resistance

Rating	<b>M1/NF P 92-507</b> <b>B1/DIN 4102-1</b> <b>M1/UNE 23.727-90</b> <b>Class 1/EN 13773</b> <b>Class 1/UNI 9177-87</b> <b>VKF 5.3/SN 198898</b> BS 7837 BS 5867-2 <b>Schwerbrennbar-Q1-Tr1/ONORM A 3800-1</b> NFPA 701 Method 1&2 CSFM T19 <b>Class A/ASTM E84</b> CAN ULCS109 AS/NZS 1530.2 & 1530.3 <b>Group 1/AS NZS 3837</b> <b>G1/GOST 30244-94</b>	<b>B1/DIN 4102-1</b> <b>Class 1/EN 13773</b> <b>Class 2/UNI 9177</b> <b>VKF 5.3/SN 198898</b> BS 5867-2 <b>Schwerbrennbar-Q1-Tr1/ONORM A 3800-1</b> NFPA 701 Method 1&2 CSFM T19 <b>Class A/ASTM E84</b> CAN ULCS109 AS/NZS 1530.2 & 1530.3 <b>Group 1/AS NZS 3837</b>
Euroclass EN 13501-1	<b>B-s2,d0</b>	<b>B-s2,d0</b>

## Management system

Quality: ISO 9001 • Environment: ISO 14001 • Energy: ISO 50001
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## Certifications, labels, warranty

Précontraint® Technology 5-year warranty						Soltis 92 Color & Alu			
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## Tools and Services

**Soltissim:** tool to evaluate energy savings that can be achieved with Soltis solar protection. Contact your Serge Ferrari representative.

<sup>1</sup> 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.

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.