

Maximum opacity



.....  
**new** Colour  
Collection  
.....



# Soltis

## Opaque

### Applications

Indoor blinds

Facade blinds, skylights and shade structures, blinds for verandas  
(Soltis Opaque B92 and B702)



### ■ Selection of opacity level

A solution adapted according to your needs:

- Complete opacity: Soltis Opaque B92 and B99
  - 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.
- Darkening: Soltis Opaque B990 and B702

### ■ High-performance screens

- Soltis Opaque B92
  - no detectable transmission of visible light, infra-red rays or UV rays
  - resistance to harsh weather elements when used outdoors
- Soltis Opaque B702
  - optimal thermal comfort and darkening properties: the white side reflects heat while the black side darkens the room.
- Soltis Opaque B99 and B990
  - indoor applications only
  - light and slim for easy, unobtrusive integration.

### ■ Colour synergy

- Colour coordinated with other Soltis product lines
- Perfect architectural harmony
- White/white version: Soltis Opaque B990 (combining thermal comfort and quality design).

Soltis Opaque  
BLOCKS  
**100%**  
OF INCOMING LIGHT

Soltis Opaque  
BLOCKS UP TO  
**200 000** lux

### Soltis Opaque in 3 key points



**Dimensional stability**  
using Précontraint®  
technology



**Easy to clean**



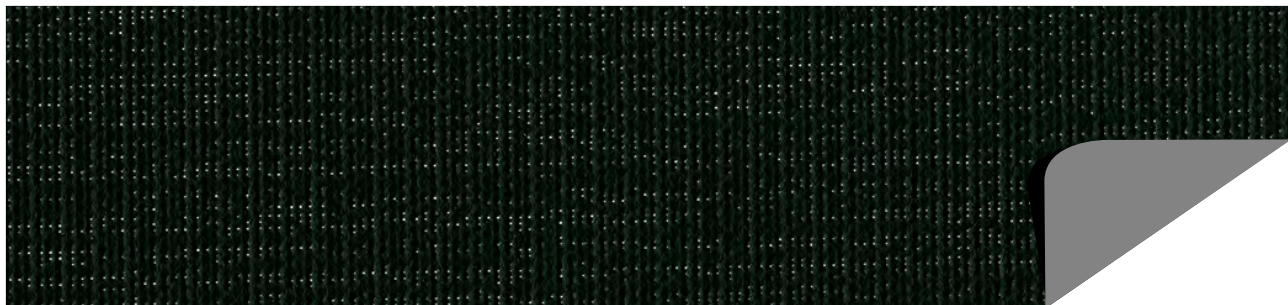
**Completely waterproof**



# Soltis

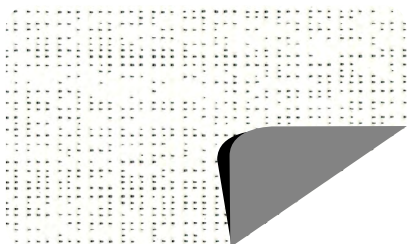
Opaque B92

Indoor & outdoor applications



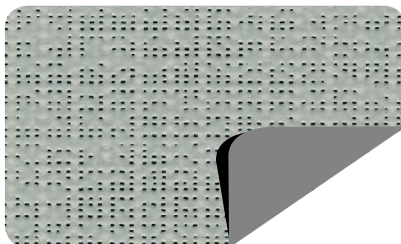
**new** Deep black 170 cm

B92-51176



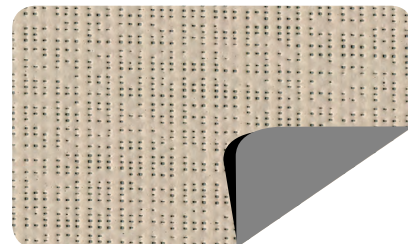
White 170 cm

B92-1044



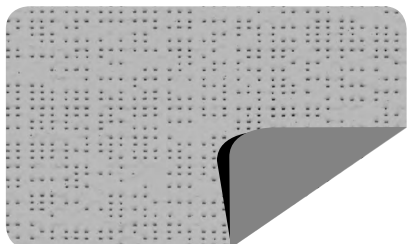
Boulder 170 cm

B92-2171



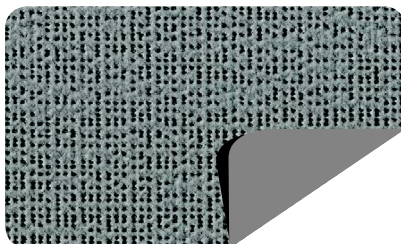
Sandy beige 170 cm

B92-2135



Aluminium 170 cm

B92-1046



Beaten metal 170 cm

B92-1045



Bronze 170 cm

B92-1043

# Soltis

Opaque B702

Indoor & outdoor applications



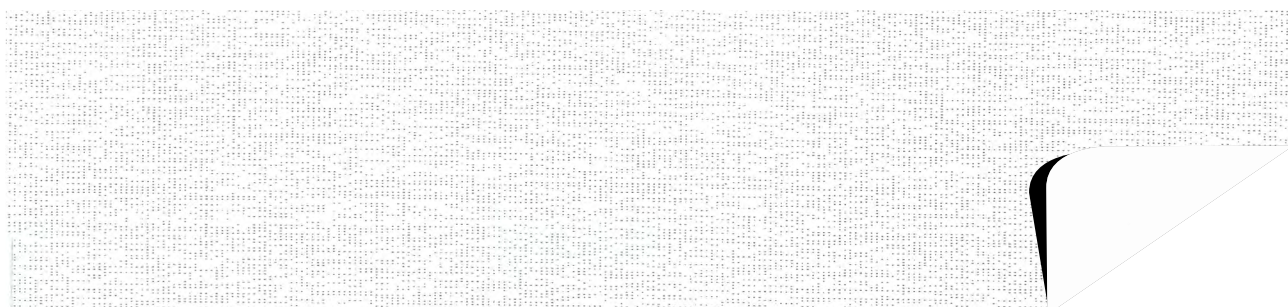
Black 177 cm

B702-455

# Soltis

Opaque B990

Indoor applications



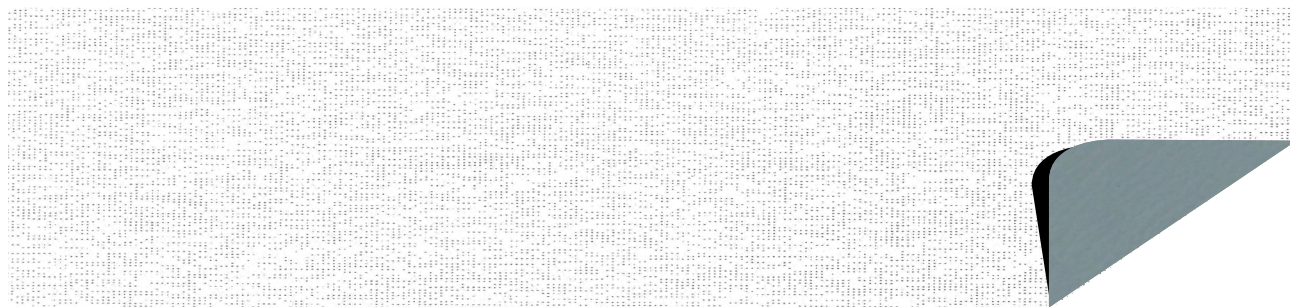
**new** Snow white 170 cm

B990-51328

# Soltis

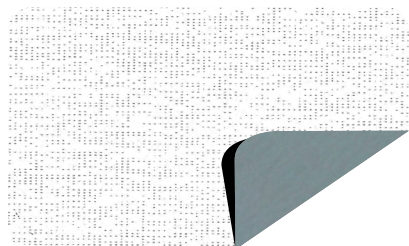
Opaque B99

Indoor applications



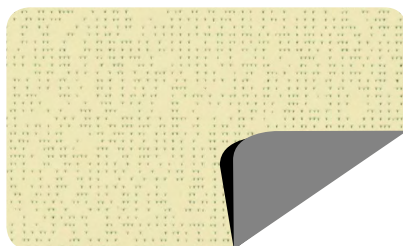
**new** Snow white 170 cm

B99-51327



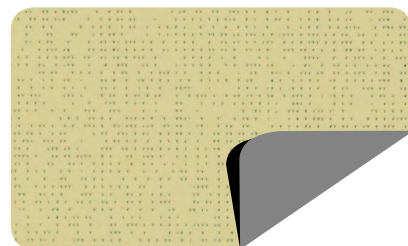
**new** Snow white 170 cm

B99-51327



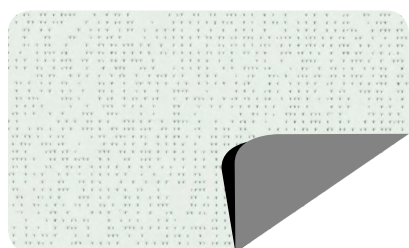
**Quartz** 170 cm

B99-50285



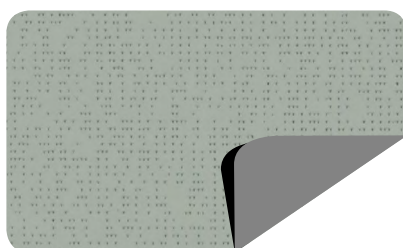
**Hemp** 170 cm

B99-50287



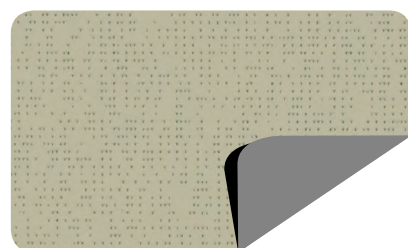
**Spume** 170 cm

B99-50284



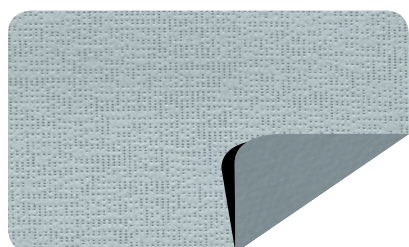
**Light grey** 170 cm

B99-50613



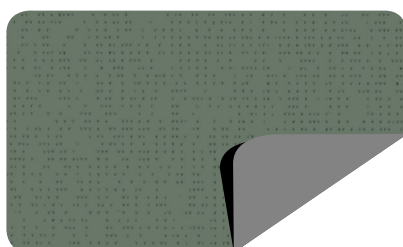
**Clay** 170 cm

B99-50288



**new** Aluminium 170 cm

B99-51936



**Medium grey** 170 cm

B99-50354

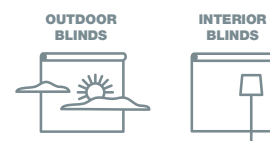


**Anthracite** 170 cm

B99-50614

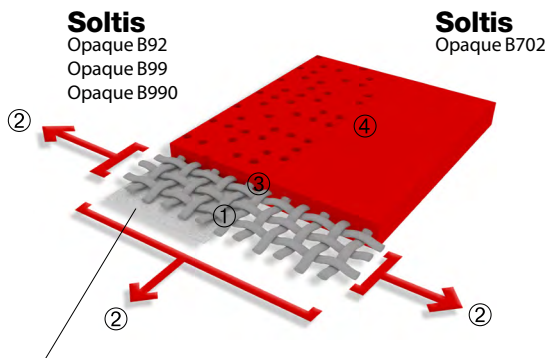
The colours and constructions presented in this digital file are provided for indicative purposes only.

**new** Colour Collection



## ■ Exclusive Précontraint® technology

This unique, globally patented technology consists in keeping the composite under bi-axial stress throughout the fabrication process. It provides our materials with exceptional performance properties, ensuring that they exceed market standards in terms of dimensional stability, mechanical strength, coating thickness and flatness.



High-tenacity polyester micro-yarn weave	①	Superior elongation and tearing strength
Coating under bi-axial stress in wrap and weft directions	②	No deforming during installation or use
Superior coating at the top of the yarns and dirt-resistant surface treatment	③	Longer mechanical and aesthetic lifespan
Exceptional flatness and thinness	④	Smooth, more streamlined surface, easy to clean and roll

Grey (Soltis Opaque B99 et B92) or white (Soltis Opaque B990) opacifying layer

## ■ Light and solar properties (according to EN 14501 standard)

Soltis Opaque B92	RS	AS	ISO 52022-3* Type-D glazing	
			$g_{tot}^e$	$g_{tot}^i$
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
<b>new</b> B92-51176	6	94	0.02	0.28
B92-Reverse side	29	71	0.03	0.22

Soltis Opaque B99	RS	AS	ISO 52022-3* Type-D glazing
			$g_{tot}^i$
B99-50284	62	38	0.13
B99-50285	60	40	0.14
B99-50287	47	53	0.18
B99-50288	40	60	0.20
B99-50354	25	75	0.18
B99-50613	45	55	0.18
B99-50614	8	92	0.27
<b>new</b> B99-51327	69	31	0.11
<b>new</b> B99-51936	49	51	0.18
B99-Reverse side	29	71	0.22

Soltis Opaque B702	RS	AS	ISO 52022-3* Type-D glazing	
			$g_{tot}^e$	$g_{tot}^i$
B702-455	72	28	0.01	0.15
B702-455	6	94	0.04	0.29

Soltis Opaque B990	RS	AS	ISO 52022-3* Type-D glazing
			$g_{tot}^i$
<b>new</b> B990-51328	69	31	0.11
B990 Reverse side	77	23	0.07

RS : Solar Reflection in %

AS : Solar Absorption in %

$g_{tot}^e$  : External Solar Factor

$g_{tot}^i$  : Internal Solar Factor

\* ISO 52022-3 Detailed Method

Takes into account the transmission and reflection spectral values of glazing/blind combination to calculate the  $g_{tot}$  solar factor.  
D-type glazing: insulating double glazing with 2-side low emissivity (4 + 16 +4; Argon filled)  $g = 0,32 - U = 1,1 \text{ W/m}^2 \text{ K}$ .

# Soltis

## Opaque

Soltis Opaque B92

Soltis Opaque B99

Soltis Opaque B990

Soltis Opaque B702

### ■ Technical properties

	Soltis Opaque B92	Soltis Opaque B99	Soltis Opaque B990	Soltis Opaque B702	Standards
Weight	650 g/m <sup>2</sup> • 19.2 oz/sq.yd	540 g/m <sup>2</sup> • 15.9 oz/sq.yd	650 g/m <sup>2</sup> • 19.2 oz/sq.yd	750 g/m <sup>2</sup> • 22.1 oz/sq.yd	EN ISO 2286-2
Thickness	0.60 mm • 600 microns	0.47 mm • 470 microns	0.53 mm • 530 microns	0.60 mm • 600 microns	
Width	170 cm • 66.9 in.	170 cm • 66.9 in.	170 cm • 66.9 in.	177 cm • 69.7 in.	

### ■ Length of rolls

Standard format length	40 lm • 43.7 yd	40 lm • 43.7 yd	40 lm • 43.7 yd	40 lm • 43.7 yd	
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### ■ Physical properties

Tensile strength (warp/weft)	310/210 daN/5 cm	160/170 daN/5 cm	160/170 daN/5 cm	280/280 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	45/20 daN	11/13 daN	11/13 daN	30/28 daN	DIN 53.363
Opacity class	<b>Class 4</b> (200,000 lux)	<b>Class 4</b> (140,000 lux)	<b>Class 3</b> (90,000 lux)	<b>Class 3</b> (130,000 lux)	EN 14501









### ■ Reaction to fire

Rating	<b>B1</b> /DIN 4102-1 <b>Schwerbrennbar-Q1-Tr1</b> /ONORM A3800-1 <b>Class 2</b> /UNI 9177-87 <b>VKF 5.3</b> /SN 198898 BS5867-2 <b>Method 1&amp;2</b> /NFPA 701 <b>Class A</b> /ASTM E 84 <b>Class 1</b> /EN 13773 <b>G1</b> /GOST 30244-94 CSFMT19 CAN ULCS 109 1530.3/ <b>AS/NZS</b> 1530.2/ <b>AS/NZS</b>	<b>B1</b> /DIN 4102-1 <b>Method 2</b> /NFPA 701 <b>Class 1</b> /EN 13773 BS5867-2 <b>Class A</b> /ASTM E 84 1530.3/ <b>AS/NZS</b> 1530.2/ <b>AS/NZS</b> <b>G1</b> /GOST 30244-94	<b>B1</b> /DIN 4102-1 <b>Method 2</b> /NFPA 701 <b>Class 1</b> /EN 13773 BS5867-2 <b>Class A</b> /ASTM E 84 1530.3/ <b>AS/NZS</b> <b>G1</b> /GOST 30244-94	<b>B1</b> /DIN 4102-1 BS5867-2 CAN ULCS109 <b>Schwerbrennbar-Q1-Tr1</b> /ONORM A3800-1 <b>Class 2</b> /UNI 9177-87 <b>VKF 5.3</b> /SN 198898 1530.3/ <b>AS/NZS</b> 1530.2/ <b>AS/NZS</b> <b>G1</b> /GOST 30244-94 <b>Method 2</b> /NFPA 701 CSFMT19	
Euroclass	<b>B-s2,d0</b>	<b>B-s2,d0</b>	<b>B-s2,d0</b>	<b>B-s2,d0</b>	EN 13501-1

### ■ Management system

Quality		ISO 9001
Environment		ISO 14001
Energy		ISO 50001

### ■ Certifications, labels, warranty

Précontraint® Technology								5-year warranty	
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### ■ Tools and services

Tool for evaluating the energy savings that can be achieved with Soltis solar protection: SOLTSSIM. Contact your Serge Ferrari representative.

1“+ = 0” logo: summarises the Serge Ferrari Group's commitment to CSR, to align economic performance and positive impact. Find out about our concrete actions in our CSR report.

The technical data above are averaged values with a +/- 5% tolerance.

The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, use and customs and safety rules of the countries where they are used. For information on our contractual warranty, please refer to the relevant terms and conditions.

The values quoted above represent results of tests performed in compliance with common design practices and are provided for only to enable customers to make the best use of our products. Our products are subjects to evolutions due to technical progress, we remain entitled to modify the characteristics of our products at any time. The buyer of our products is responsible for checking the validity of the above data.