

**Serge Ferrari**

Soltis  
**Opaque**

Maximum discretion



.....  
**new** Colours  
Collection  
.....

## Applications

Interior blinds. facade blinds (Soltis Opaque B92 and B99).  
glass and veranda blinds. drop-arm awnings



## ■ Choosing the degree of opacity

A solution tailored to your needs:

- Total opacity: Soltis Opaque B92
  - Maximum degree of opacity above 100.000 lux
  - Ideal for areas most sensitive to light: conserving works of art, radiology or photography laboratories, etc.
- Darkening: Soltis Opaque B99, B990 and B702

## ■ High performance screens

- Soltis Opaque B92
  - No detectable transmission of visible light, infrared or UV rays
  - Resists climatic degradation when used outdoors
- Soltis Opaque B702
  - thermal comfort and darkening: the white surface reflects heat, the black surface darkens the room.
- Soltis Opaque B99 et B990
  - Indoor applications only
  - Light and thin for easy and discreet installation.

## ■ Colour synergy

- Colours coordinated with other Soltis ranges
- Perfect building harmony
- New white / white version: Soltis Opaque B990 (combining thermal comfort and design).



Soltis Opaque B92

# BLOCKS

OUT ALL LIGHT

Soltis Opaque B92 and B99

BLOCKS OUT UP TO  
**200.000 lux**

## Soltis Opaque - 3 key properties



**Dimensional stability**  
thanks to Preconstraint technology



**Easy to clean**



**Total impermeability**



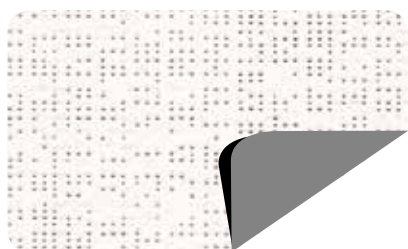
# Soltis Opaque B92

Interior & exterior applications



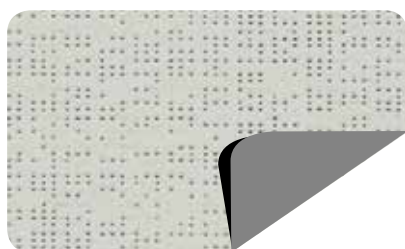
**new** Deep black 170 cm

B92-51176



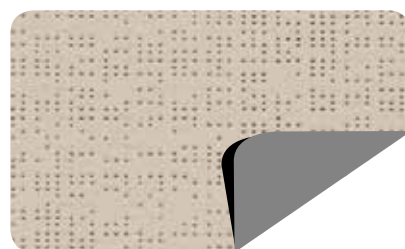
**White** 170 cm

B92-1044



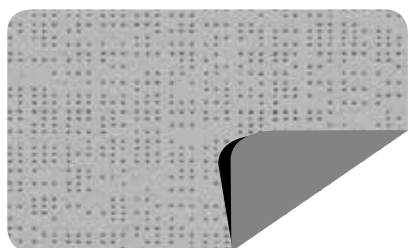
**Boulder** 170 cm

B92-2171



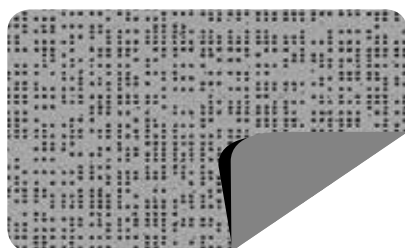
**Sandy beige** 170 cm

B92-2135



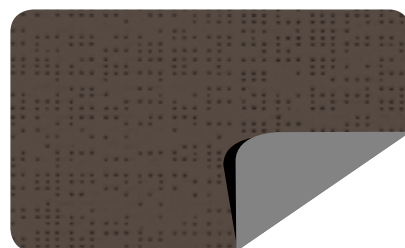
**Alu** 170 cm

B92-1046



**Beaten metal** 170 cm

B92-1045



**Bronze** 170 cm

B92-1043

# Soltis Opaque B702

Interior & exterior applications



**Black** 177 cm

B702-455

# Soltis Opaque B990

Interior applications



**White** 170 cm

B990-50360

# Soltis Opaque B99

Interior applications



**White** 170 cm

B99-50348



**White** 170 cm

B99-50348



**Quartz** 170 cm

B99-50285



**Hemp** 170 cm

B99-50287



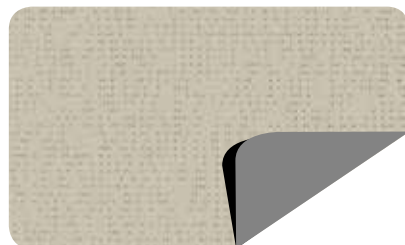
**Spume** 170 cm

B99-50284



**Light grey** 170 cm

B99-50613



**Clay** 170 cm

B99-50288



**Alu** 170 cm

B99-50358



**Medium grey** 170 cm

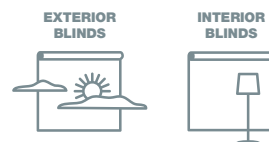
B99-50354



**Anthracite** 170 cm

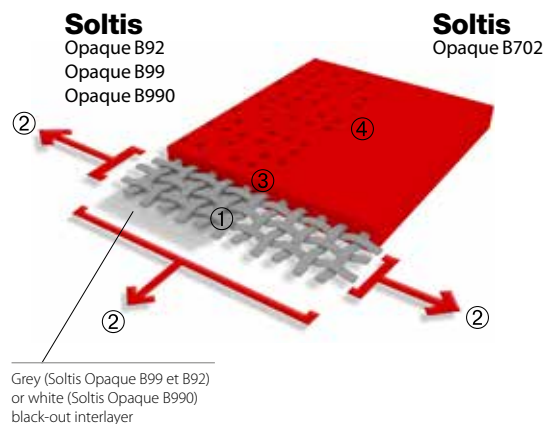
B99-50614

**new** Colours  
Collection



## ■ Exclusive Preconstraint® technology

This unique globally patented technology consists of maintaining the composite in bi-axial tension throughout the manufacturing cycle. This gives our materials outstanding performance allowing them to surpass market standards in terms of dimensional stability, mechanical strength, coating thickness and flatness.



Community High tenacity polyester micro-cable reinforcement	①	Superior resistance to elongation and tearing
Coating under bi-axial tension, exerted in warp and weft	②	No deformation during implementation and use
Superior coating of the wire bundle and anti-soiling surface treatment	③	Superior aesthetic and mechanical durability
Extreme flatness and low thickness	④	Smooth surface easy to clean, small footprint and easy winding

## ■ Solar and light properties (according to EN 14501)

Soltis Opaque B92	RS	AS	EN 13363-2* Glazing D	
			$g_{tot}^e$	$g_{tot}^i$
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-VERSO	29	71	0.03	0.22

Soltis Opaque B99	RS	AS	EN 13363-2* Glazing D
			$g_{tot}^i$
B99-50284	62	38	0.13
B99-50285	60	40	0.14
B99-50287	47	53	0.18
B99-50288	40	60	0.20
B99-50348	66	34	0.10
B99-50354	25	75	0.18
B99-50358	45	55	0.22
B99-50613	45	55	0.18
B99-50614	8	92	0.27
B99-VERSO	29	71	0.22

Soltis Opaque B702	RS	AS	EN 13363-2* Glazing D	
			$g_{tot}^e$	$g_{tot}^i$
B702-455 A*	72	28	0.01	0.15
B702-455 B*	6	94	0.04	0.29

Soltis Opaque B990	RS	AS	EN 13363-2* Glazing D
			$g_{tot}^i$
B990-50360 A	66	34	0.11
B990-50360 B	76	24	0.07

RS: Solar Reflection in %

AS: Solar absorption in %

A\*: Face blanche exposée au soleil

B\*: Face noire exposée au soleil

A: Aluminium surface exposed to the sun

B: Coloured surface exposed to the sun





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

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

\* Detailed  
EN 13363-2 method

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

# Soltis Opaque

	Soltis Opaque B92	Soltis Opaque B99	Soltis Opaque B990	Soltis Opaque B702		
<b>■ Technical properties</b>					<b>Standards</b>	
Weight	650 g/m <sup>2</sup>	540 g/m <sup>2</sup>	650 g/m <sup>2</sup>	750 g/m <sup>2</sup>	EN ISO 2286-2	
Thickness	0.60 mm	0.47 mm	0.53 mm	0.60 mm		
Width	170 cm	170 cm	170 cm	177 cm		
<b>■ Roll length</b>						
Standard piece format	40 lm	40 lm	40 lm	40 lm		
<b>■ Physical properties</b>						
Breaking resistance (warp / weft)	330/220 daN/5 cm	160/170 daN/5 cm	160/170 daN/5 cm	280/280 daN/5 cm	EN ISO 1421	
Tear resistance (warp / weft)	45/25 daN	11/13 daN	11/13 daN	30/28 daN	DIN 53.363	
<b>■ Reaction to fire</b>						
Rating	<b>B1</b> /DIN 4102-1 <b>Schwerbrennbar-Q1-Tr1</b> /ONORM A 3800-1 <b>Class 2</b> /UNI 9177-87 <b>VKF 5.3</b> /SN 198898 BS 5867 <b>Method 1 and 2</b> /NFPA 701 <b>Class A</b> /ASTM E 84 <b>Classe 1</b> /EN 13373 <b>G1</b> /GOST 30244-94	<b>B1</b> /DIN 4102-1 <b>Method 2</b> /NFPA 701	<b>B1</b> / DIN 4102-1 <b>Method 2</b> /NFPA 701	<b>B1</b> /DIN 4102-1 BS 7837 CAN ULCS109 <b>Schwerbrennbar-Q1-Tr1</b> /ONORM A3800-1 <b>Classe 2</b> /UNI 9177-87 <b>M2</b> /UNE 23.727-90 <b>VKF 5.3</b> /SN 198898 <b>1530.3</b> /AS/NZS <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	
<b>■ Management system</b>						
Quality					ISO 9001	
<b>■ Certifications, labels, guarantees, recyclability</b>						
   with <b>S+</b> Serge Ferrari goes further ... (information available on request) 						
<b>■ Tools and services</b>						
<ul style="list-style-type: none"> <li>— Personalised thermal performance simulation service for your projects and associated Soltis solar protection: Get in touch with your Serge Ferrari contact</li> <li>— Tool for assessing achievable energy savings thanks to Soltis sun protection: <a href="http://www.textinergie.org">www.textinergie.org</a></li> <li>— Document and photo libraries: <a href="http://www.sergeferrari.com">www.sergeferrari.com</a></li> </ul>						

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