

# SOLTIS

BLACK OUT



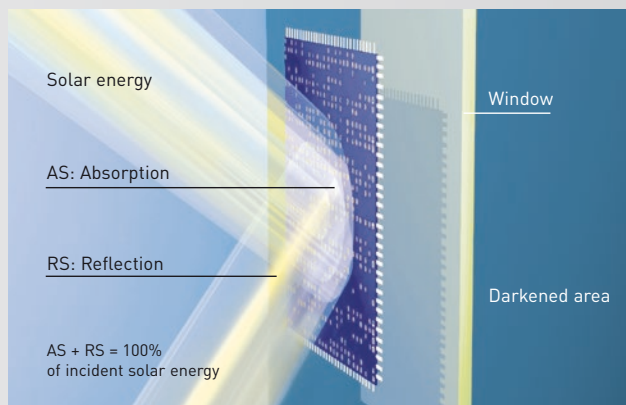
**Serge Ferrari** 

## MAIN FEATURES

- Dim out or opaque
- Efficient thermal protection
- High strength
- Lightweight, durable and 100% recyclable
- New 2-face white version (B990)

## APPLICATIONS

- Facade blinds (B92, B702)
- Indoor blinds



Total black-out principle

## Choice of darkening level

A solution suited to your needs:

- **Total black-out:** Soltis B92
  - > opaque up to 100 000 lux
  - > conservation of works of art, X-ray work, photography, etc....
- **Darkening:** Soltis B99, B990 and B702
  - > opaque up to 1000 lux
  - > projection or meeting areas, rest rooms, laboratories, etc...



Soltis B92, a high-performance alternative to upper-floor roller blinds

## High-performance screens

- **Soltis B92**
  - > no detectable transmission of visible light, infrared or UV rays
  - > resistance to climatic damage
- **Soltis B702**
  - > thermal comfort and darkening
  - > white face reflects heat
  - > black face darkens room
- **Soltis B99 and B990**
  - > interior applications only
  - > lightweight and thin for easy, discreet integration



Blinds, interior design and matching facades

## Colour synergy

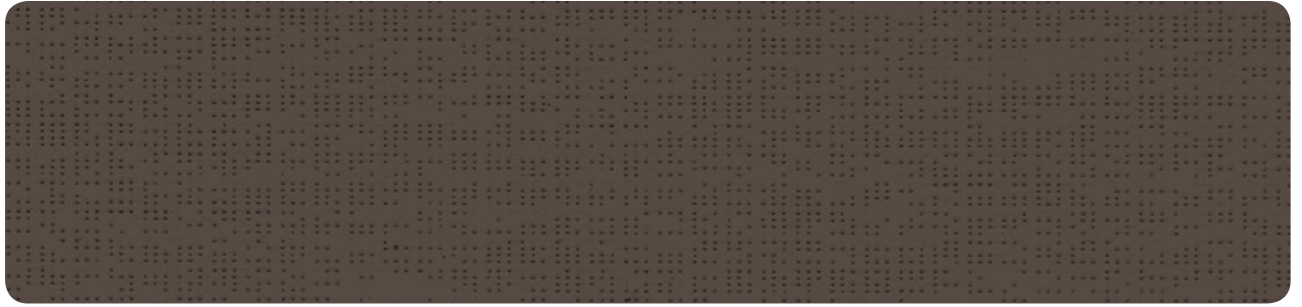
- Colours coordinated with other Serge Ferrari Building ranges
- Perfect building harmony
- **New white / white version:** Soltis B990
  - > Combining thermal comfort and design

# SOLTIS

## B92

The colours and textures represented in this document are provided as a reference only.

Internal & external applications



Bronze

B92-1043



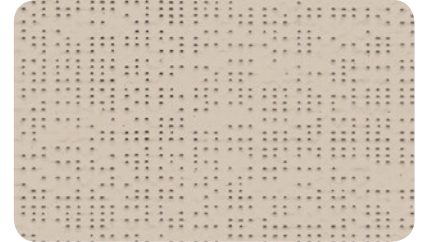
White

B92-1044



Boulder

B92-2171



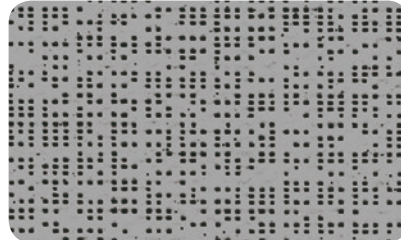
Sandy beige

B92-2135



Alu

B92-1046



Beaten metal

B92-1045

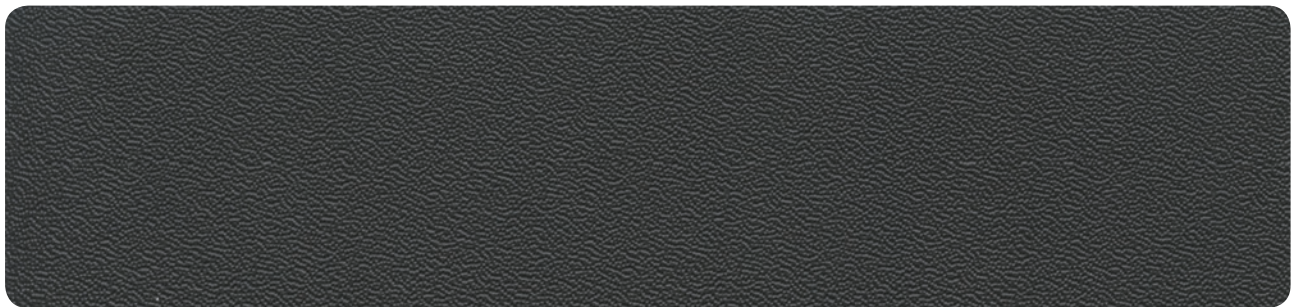


Bronze

B92-1043

# SOLTIS

## B702



Black

B702-455

# SOLTIS

## B990

Internal applications

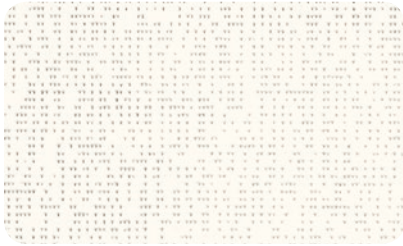


White

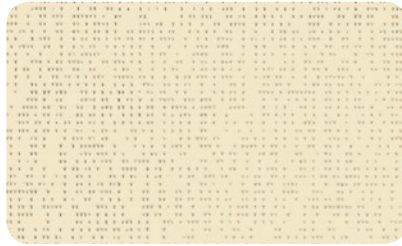
B990-50360



**White** B99-50348



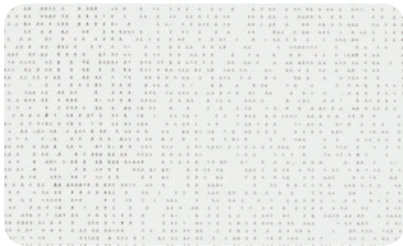
**White** B99-50348



**Quartz** B99-50285



**Hemp** B99-50287



**Spume** B99-50284



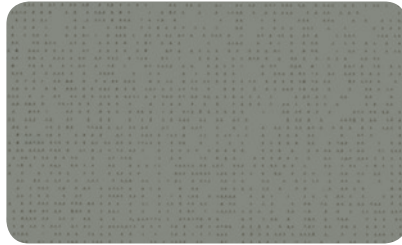
**Light grey** B99-50613



**Clay** B99-50288



**Alu** B99-50358



**Medium grey** B99-50354



**Anthracite** B99-50614

## Solar and light properties (EN 14501)

B92	Reference	RS	AS	$g_{tot}^e$	$g_{tot}^i$
	B92-1043	14	86	0.08	0.52
	B92-1044	70	30	0.03	0.34
	B92-1045	38	62	0.05	0.44
	B92-1046	49	51	0.05	0.41
	B92-2135	47	53	0.05	0.41
	B92-2171	45	55	0.05	0.42
	B92-VERSO	29	71	0.06	0.47

B702	Reference	RS	AS	$g_{tot}^e$	$g_{tot}^i$
	B702-455 A*	72	28	0.02	0.33
	B702-455 B*	6	94	0.08	0.55

B990	Reference	RS	AS	$g_{tot}^i$
	B990-50360 A	66	34	0.35
	B990-50360 B	76	24	0.32

B99	Reference	RS	AS	$g_{tot}^i$
	B99-50284	62	38	0.37
	B99-50285	61	39	0.37
	B99-50287	47	53	0.41
	B99-50288	40	60	0.44
	B99-50348	66	34	0.35
	B99-50354	25	75	0.49
	B99-50358	45	55	0.42
	B99-50613	45	55	0.42
	B99-50614	8	92	0.54
	B99-VERSO	29	71	0.47

**RS:** Solar Reflection (%)  
**AS:** Solar Absorption (%)  
 **$g_{tot}^e$ :** External Solar Factor

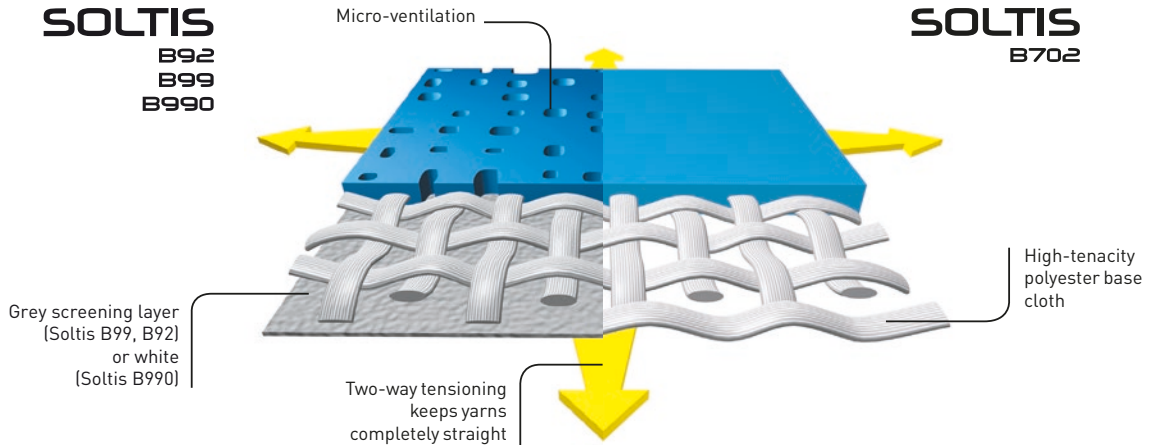
**$g_{tot}^i$ :** Internal Solar Factor  
 Type «C» glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; argon-filled - g=0.59 - U=1.2)

**A\*:** White face exposed to the sun  
**B\*:** Black face exposed to the sun  
**A:** Microperforated face exposed to the sun  
**B:** Screening layer exposed to the sun

# Exclusive Précontraint Serge Ferrari® technology



Patented worldwide, Précontraint Serge Ferrari® technology involves keeping the composite under tension throughout the manufacturing cycle.



## Strength characteristics

- Exceptional dimensional stability
- Long-term strength
- Greater coating thickness on top of yarns
- Exceptional flatness

## Benefits\*

- **No material deformation during installation or usage**
- **No elongation, tear resistant**
- **Long-term strength and aesthetic quality**
- **Thinness**
- **Guaranteed aesthetics**
- **Compactness, easy rolling**

\* Benefits observed for normal product usage.

## Soltis B92 materials carry the "NF Toiles" label

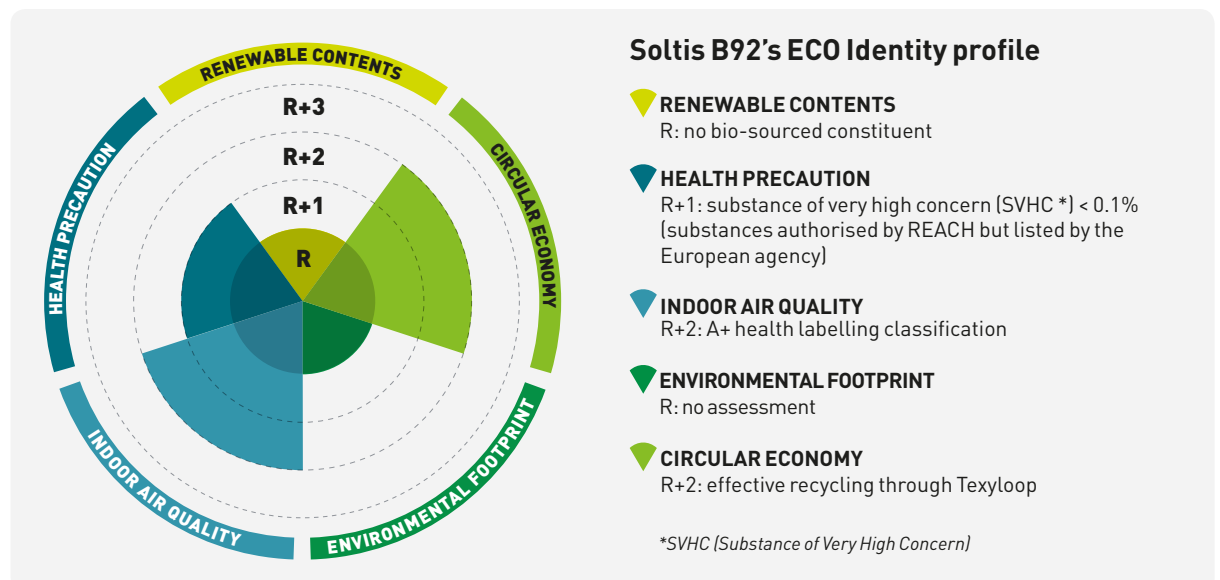


- The French "NF Toiles" label guarantees that Soltis B92 conserves a high level of quality and uniformity.
- Certified references meet thermo-optical, strength and durability requirements stipulated for the "NF Toiles" label.

## ECO IDentity, health and environmental performance

Serge Ferrari assesses the health and environmental performance of its composite materials using 5 indicators. Level "R" represents the regulations or the basic offer without regulatory requirements. Higher levels represent voluntary advances that exceed regulations.

For more information: please ask for details.



ECO IDentity complies with ISO 14021 environmental communication standard:

- exact
- verifiable
- pertinent
- not misleading

# SOLTIS

## BLACK OUT

Technical properties	Soltis B92	Soltis B99	Soltis B990	Soltis B702	Standards	
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>Length of rolls</b>						
Standard format length	40 lm	40 lm	40 lm	40 lm		
<b>Physical properties</b>						
Tensile strength (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 strength (warp/weft)	45/25 daN	11/13 daN	11/13 daN	30/28 daN	DIN 53.363	
<b>Flame retardancy</b>						
Rating	<b>B1</b> /DIN 4102-1 <b>Schwerbrennbar-Q1-Tr1</b> /ONORM A3800-1 <b>Class 2</b> /UNI 9177-87 <b>VKF 5.2</b> /SN 198898 BS 5867 <b>Method 1 and 2</b> /NFPA 701 <b>Class A</b> /ASTM E84	<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 1</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 CSFM T19		
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 systems</b>						
Quality					ISO 9001	
<b>Certifications, labels, guarantees, recycling</b>						



Except for  
**SOLTIS B702**

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

The buyer of our products is fully responsible for their application and transformation with respect to any possible third party. The buyer of our products is responsible for their implementation and installation in compliance with standards, codes of practice and safety regulations in force in destination countries. 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 information only to enable customers to make the best use of our products. Our products are subject to changes based on technical advances and we reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

### TOOLS AND SERVICES

- Personalised service for simulating your project's thermal performance and related Soltis solar protection systems: please contact your Serge Ferrari representative
- Tool for evaluating energy savings generated by Soltis solar protection systems: [www.textinergie.org](http://www.textinergie.org)
- Document and photo libraries: [www.sergeferrari.com](http://www.sergeferrari.com)

#### → Contact

- Headquarters:  
+ 33 (0)4 74 97 41 33
- Your local representative:  
[www.sergeferrari.com](http://www.sergeferrari.com)

#### → TEXYLOOP®

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- Secondary raw materials of high intrinsic value compatible with multiple processes
- A quantified response to combat depletion of natural resources

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