

**B28100**

Safe Color

# Soltis B28100

Safe Color

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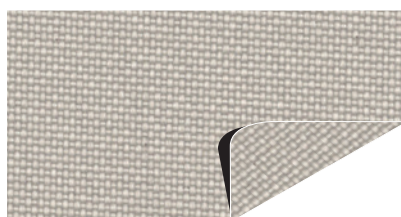
Light grey

B28100-547



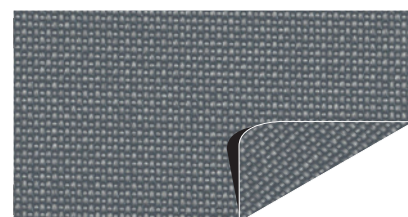
Beige

B28100-537



Light beige

B28100-548



Medium grey

B28100-549



Dark grey

B28100-558

# Soltis B28100

## An elegant solar protection solution for offices & homes

This material has been especially developed to meet the fire protection requirements of A2 class following DIN 4102 standard which is taken into account for high-rise buildings.

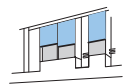
The increase in fire accidents, especially in high-rise buildings and tall public buildings, have led to a significant tightening of fire safety requirements in recent years.

Building materials are divided into different fire behavior - and fire protection classes as part of the fire protection standard. Factors such as flammability, rate of fire spread and smoke generation are decisive for the classification. Soltis B28100 is classified RF1 following AEAI requirements to match with safety regulations for buildings over 30 m height.

## Main applications

### Soltis B28100 Safe Color

#### Exterior solar protection & Terrace



Facade blind



#### Interior solar protection



Roller blind



## Thermal and Light Transmission Properties

(according to EN 14501)

	Width 250 cm 98.4 in	TS	RS	AS	TV n-h	ISO 52022-3* Type D glazing		
						$g_{tot}^e$	$g_{tot}^i$	
<b>B28100-537</b>		●	4	39	57	0	0.02	0.25
<b>B28100-547</b>		●	1	19	80	0	0.02	0.25
<b>B28100-548</b>		●	8	50	42	5	0.03	0.18
<b>B28100-549</b>		●	2	23	75	1	0.02	0.24
<b>B28100-558</b>		●	0	8	92	0	0.03	0.27

#### Safe Color

<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
$g_{tot}^i$	Internal Solar Factor
$g_{tot}^e$	External Solar Factor

\* 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)  $g = 0.32 - U = 1.1$ .

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### Technical properties

Yarn	Fiber glass fabric (DIN 60001)
Coating	Coated fiberglass fabric
Confection	Hot bar welding & welding tape
Weight EN ISO 2286-2	410 g/m <sup>2</sup> • 12.1 oz/sq. yd
Thickness	0.30 mm • 300 microns
Width	250 cm • 98.4 in

### Roll length

In 250 cm • 98.4 in	50 lm • 54.68 yd
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### Physical properties

Tensile strength (warp/weft) EN ISO 1421	200/150 daN/5 cm • 450/337 lbs/2 in
Tear strength (warp/weft) DIN 53.363	10/10 daN • 22/22 lbs

### Fire resistance

Rating	<b>A2</b> /DIN 4102 <b>RF1</b> /VKF 6q.3 (AEA)
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### Management systems

**Quality:** ISO 9001 • **Environment:** ISO 14001 • **Energy:** ISO 50001

### Certifications, labels, warranty

5-year  
warranty

Smart Coating  
Technology



### 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.

Quoted technical characteristics are average values subject to +/-5% tolerance.

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The colours and textures presented are included for information only.