SOLTIS
LOW E

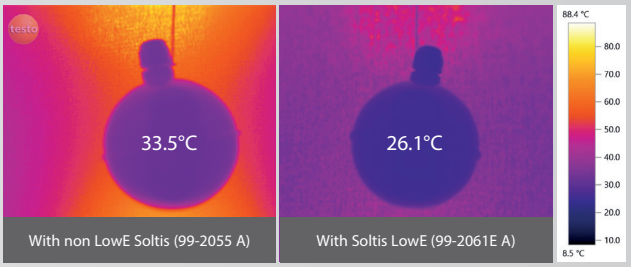
Serge Ferrari

MAIN FEATURES

- LowE low emissivity treatment
- High-performance thermal barrier
- Lightweight, durable and 100% recyclable

APPLICATIONS

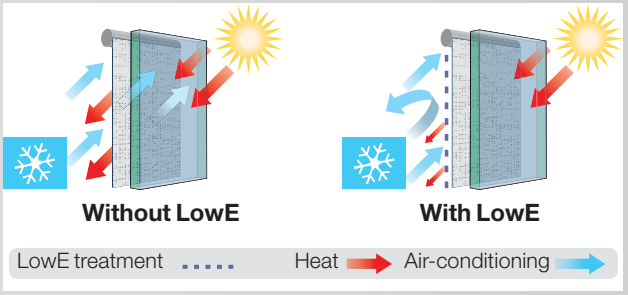
- Indoor blinds



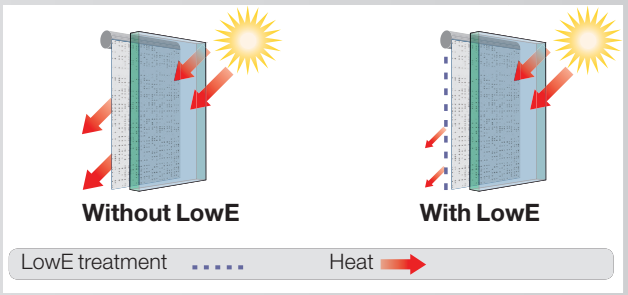
Temperature of the black ball simulates a person in an office equipped with interior blinds

Optimised thermal comfort

Soltis LowE solar protection screens act as a thermal barrier. Under the effect of solar radiation, they heat up but do not re-emit their heat towards the building interior in summer.
> Internal temperature is thus better controlled and user comfort is enhanced.



Mirror effect



Screen effect in summer

Improved building energy performance

The LowE treatment enables cool or, conversely, warm air to be reflected and kept inside the building: this is the mirror effect. While conserving a high level of comfort, heating and air conditioning demand is reduced and building energy consumption is fully optimised.
> Up to 40%* reduction in air conditioning needs!

Serge Ferrari SoltisSim' simulation tool - comparison of the South façade of an office building in Barcelona with and without Soltis 99-2061E blinds (Class C glazing).

High-performance light flux control

Aesthetic and visual comfort preserved

Soltis LowE screens contribute to the visual comfort of residents by:

- Maintaining outward visibility
- Ensuring optimum natural light contributions without glare.

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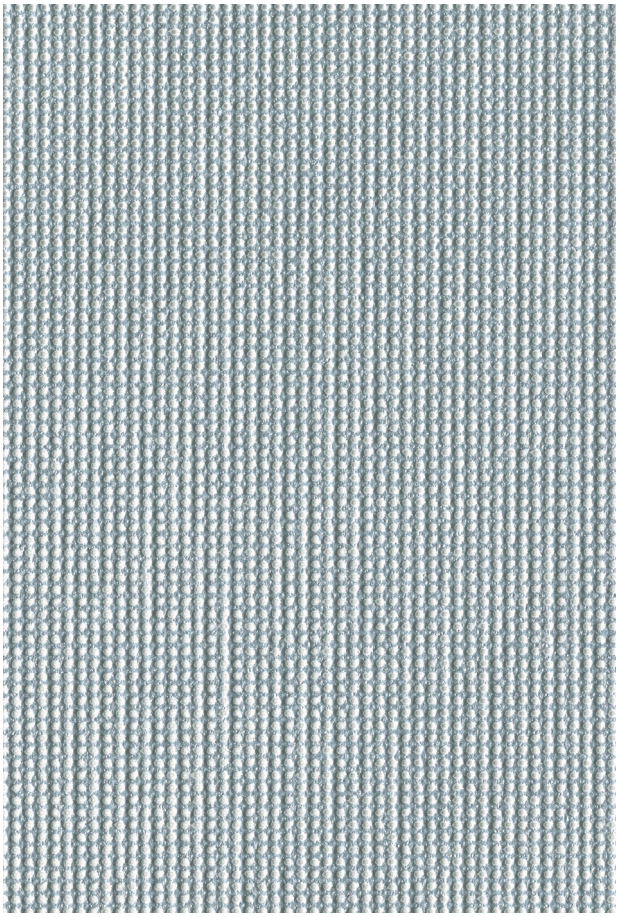
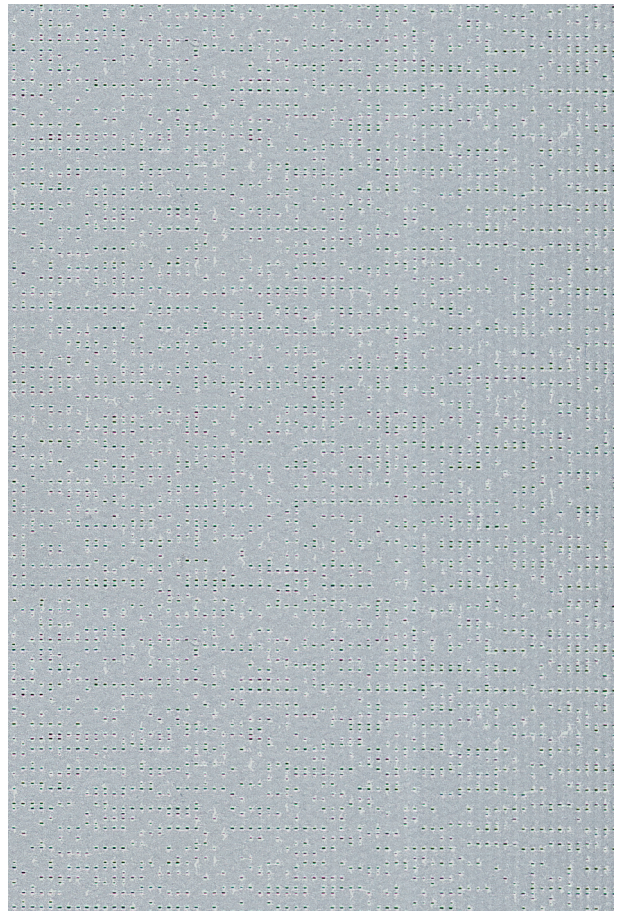


88-2061E



99-2061E

Solar and light properties (according to EN 14501)

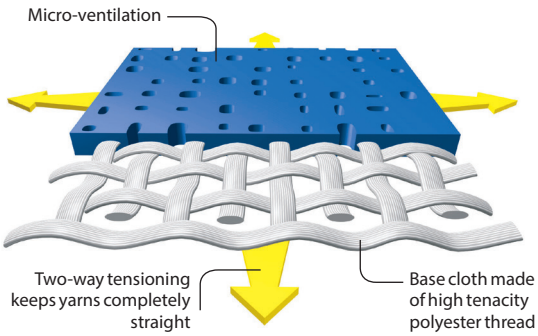
		Reference	TS	RS	AS	TV n-h	TV n-n	$g_{tot}{}^{i}$	Emissivity
Soltis 88									
	A	88-2061E	13	68	19	12	8	0.35	0.45
	B	88-2061E	13	68	19	12	8	0.35	0.90
Soltis 99									
	A	99-2061E	8	71	21	7	5	0.34	0.35
	B	99-2061E	8	70	22	7	5	0.34	0.90

TS : Solar Transmission as a %
RS : Solar Reflection as a %
AS : Solar Absorption as a %
TS + RS + AS = 100% of incident energy
TV n-h : Normal-hemispherical visible light transmission (%)
TV n-n : Normal-normal visible light transmission (%)
$g_{tot}{}^{i}$: Internal solar factor
A : Aluminium face exposed to the sun
B : White side exposed to the sun
Type "C" glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; argon-filled ; g single glazing = 0.59)

Exclusive **Précontraint Serge Ferrari®** technology

PRÉCONTRAINT GARANTIE Serge Ferrari

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



Strength characteristics	Benefits*
• Exceptional dimensional stability	• **No deformation; won't sag**
• Long-term strength	• **Tear resistant**
• Greater coating thickness at the top of the yarns	• **Long-term aesthetics and strength**
• Exceptional flatness	• **Smooth finish, easy maintenance**

* Benefits observed for normal product usage

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Technical properties	Soltis 88	Soltis 99	Normes
Weight	360 g/m²	290 g/m²	EN ISO 2286-2
Thickness	0,45 mm	0,32 mm	
Width	177 cm	177 cm	
Length of rolls			
Standard format length	50 lm	50 lm	
Physical properties			
Tensile strength (warp/weft)	145/145 daN/ 5 cm	160/170 daN/ 5 cm	EN ISO 1421
Tear strength (warp/weft)	14/14 daN	11/13 daN	DIN 53.363
Flame retardancy			
Rating	**M1**/NFP92-507 • **Method1and2**/NFPA701 CSFMT19 • **CLASS A**/ ASTME84• CANULCS109 **CLASSE 1**/EN 13773 • **M-1**/ UNE 23727-90 • BS 7837 BS 5867 • **VKF 5.3**/SN 198898 **Schwerbrennbar Q1-Tr1**/ ONORM A 3800-1 • **B1**/DIN 4102-1 • 1530.3/AS/NZS **Group 1**/AS NZS 3837 **G1**/GOST 30244-94 **CLASSE 1**/UNI 9177-87	**B1**/DIN 4102-1 • BS 7837 BS 5867 • **Schwerbrennbar-Q1-TR1**/ONORM A 3800-1 **M1**/UNE 23.727-90 **VKF 5.2**/SN 198898 1530.3/**AS**/NZS **G1**/GOST 30244-94 **METHOD 1 AND 2** /NFPA 701 CSFM T19 • **CLASS A**/ASTM E84 **CLASSE 1** / UNI 9177-87 CAN ULCS 109	
Euroclass	**B-s2, d0**/EN13501-1	**B-s2, d0**/EN13501-1	
Management systems			
for Quality			ISO 9001
Certifications, labels, guarantees, recycling			

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

- No high-frequency welding: Use of making-up strips recommended (cf. Soltis technical guide).
- Consult us for further information.

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
- Document and photo libraries: www.sergeferrari.com

→ Contact

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

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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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Cover photo: Tour D2 - France - Architects: : Anthony Bechu et Tom Sheehan
Inside photos: non contractual photos provided as examples.