Serge Ferrari group

# Soltis
## Feel LowE

Combine indoor thermal and visual comfort

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**Interior applications**

Indoor shades and sliding panels

### Optimised thermal comfort

Soltis Feel LowE screens act as a thermal barrier. Under the effect of solar radiation, they heat up but re-emit only little of their heat to the building interior in summer. Internal temperature is thus better controlled and user comfort is enhanced.

### Energy performance

Facing the user, the LowE treatment reflects air conditionning in summer and heating in winter to keep them inside the building: this is the mirror effect.

Heating and air conditioning demands are reduced and building energy costs are fully optimised: up to 40% reduction in air conditioning needs thanks to Soltis Feel LowE screens!

### Visual comfort

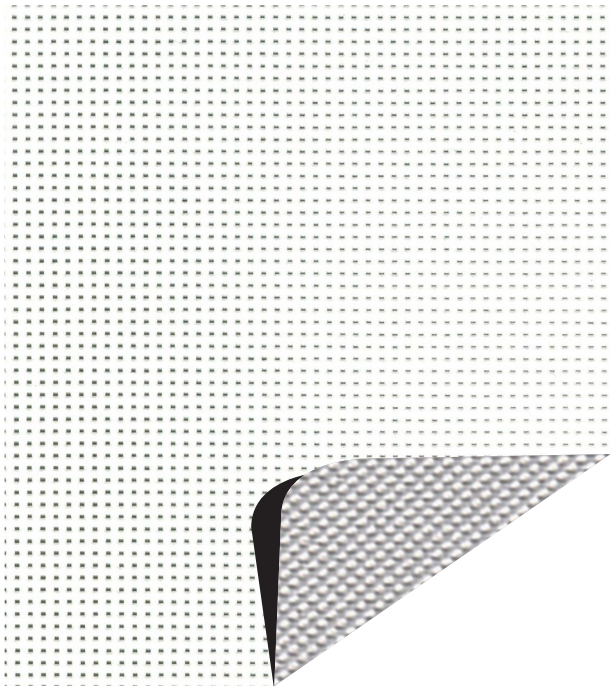
Soltis Feel LowE screens contribute to the visual comfort of residents.
They conserve:
— Outward visibility
— Optimum natural light contributions without glare.

# You'll feel the difference!

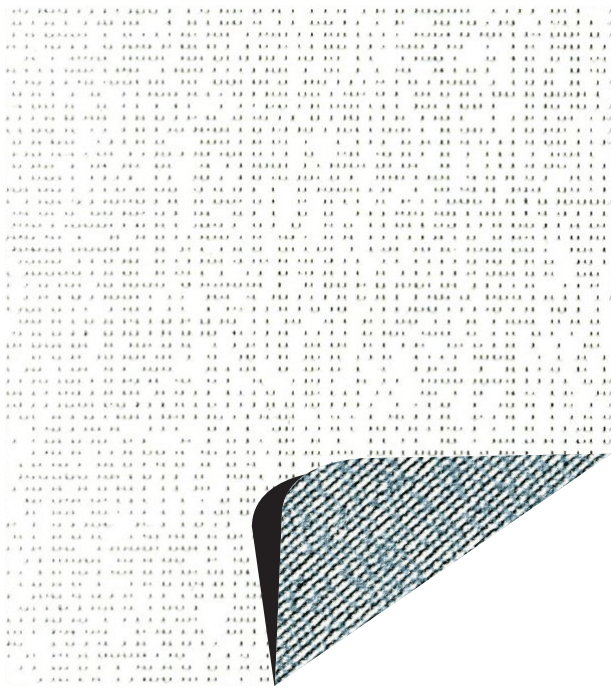
Soltis Feel LowE : high solar reflection from either face exposed to the sun. At equivalent thermal performance, the user decides to direct indoors either the LowE-treated face to enhance well-being or the more neutral, easier to coordinate, white face. Regardless of the direction of use, the metallised face reduces glare.

Available in two roll widths (177 cm and 267 cm) for large blinds without visible making up and two openness coefficients (8% and 3%) to adapt the level of protection to your needs.

The colours and textures presented in this digital file are included for information only.



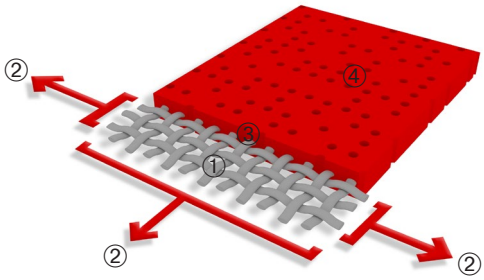
**White/LowE** 177 cm - 267 cm 88-2061E



**White/LowE** 177 cm - 267 cm 99-2061E

## Exclusive Precontraint® technology

This unique, world-patented technology involves maintaining the composite in bi-axial tension throughout the manufacturing cycle. It ensures our materials' exceptional performance characteristics, which ensure they exceed market standards in terms of long-term stability, strength, coating thickness and flatness.




| | |
|---|---|
| High-tenacity polyester micro-yarn reinforcing mesh ① | Higher resistance to elongation and tearing |
| Coating under bi-axial, warp and weft tension ② | No deformation during installation and usage |
| Coating thickness covering top of yarns and dirt repellent surface treatment ③ | Enhanced aesthetic and structural durability |
| Extremely flat and thin ④ | Easy-to-clean smooth surface ensuring compactness and easy rolling |

## Solar and light properties (based on EN 14501)

| Soltis Feel 88 LowE | | TS | RS | AS | TV n-h | ISO 52022-3* Type D glazing $g_{tot}{}^{i}$ | Emissivity |
|---|---|---|---|---|---|---|---|
| 88-2061E | A | 13 | 68 | 19 | 12 | 0.12 | 0.45 |
| 88-2061E | B | 13 | 68 | 19 | 12 | 0.11 | 0.90 |

| Soltis Feel 99 LowE | | TS | RS | AS | TV n-h | ISO 52022-3* Type D glazing $g_{tot}{}^{i}$ | Emissivity |
|---|---|---|---|---|---|---|---|
| 99-2061E | A | 8 | 71 | 21 | 7 | 0.10 | 0.35 |
| 99-2061E | B | 8 | 70 | 22 | 7 | 0.11 | 0.90 |

**TS**: Solar transmission %
**RS**: Solar reflection %
**AS**: Solar absorption %
**TS + RS + AS** = 100% of incident energy
**TV n-h**: Normal - hemispherical visible light transmission %
**$g_{tot}{}^{i}$**: Internal solar factor
**A**: Aluminium face exposed to sun
**B**: Coloured face exposed to sun

*ISO 52022-3 detailed method

Takes into account transmission and reflection spectral values for glazing-blind complex to calculate solar factor $g_{tot}$.
Type "D" glazing is double glazing and insulated with low emissivity in position 3 (4 + 16 + 4; Argon-filled) g=0.32 - U=1.1

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| | Soltis Feel 88 LowE | Soltis Feel 99 LowE | |
|---|---|---|---|
| | **Technical properties** | | **Standards** |
| Openness coefficient | 8% | 3% | |
| Weight | 360 g/m² • 10.6 oz/sq.yd | 290 g/m² • 8.6 oz/sq.yd | EN ISO 2286-2 |
| Thickness | 0.45 mm • 450 microns | 0.32 mm • 320 microns | |
| Width | 177 cm - 267 cm • 69.7 in. - 105.1 in. | 177 cm - 267 cm • 69.7 in. - 105.1 in. | |
| | **Roll length** | | |
| Standard 177 cm piece format | 50 lm • 54.6 yd | 50 lm • 54.6 yd | |
| Standard 267 cm piece format | 40 lm • 43.74 yd | 40 lm • 43.74 yd | |
| | **Physical properties** | | |
| Tensile strength (warp/weft) | 140/145 daN/5 cm | 160/170 daN/5 cm | EN ISO 1421 |
| Tear strength (warp/weft) | 14/14 daN | 11/13 daN | DIN 53.363 |
| | **Reaction to fire** | | |
| Rating | **M1**/NFP92-507 — **B1**/DIN 4102-1<br>BS 7837 — BS 5867-2<br>**Schwerbrennbar-Q1-Tr1**/ONORM A 3800-1<br>**Classe 1**/UNI 9177-87<br>**VKF 5.3**/SN 198898 — **1530.3**/**AS**/NZS<br>**1530.2**/AS/NZS — **G1**/GOST 30244-94<br>**Method 1 and 2**/NFPA 701 — CSFM T19<br>**Class A**/ASTM E84 — CAN ULCS 109<br>**Group 1**/AS NZS 3837 — **Class 1**/EN 13773 | **M1**/NFP92-507 — **B1**/DIN 4102-1<br>BS 7837 — BS 5867-2<br>**Schwerbrennbar-Q1-Tr**1/ONORM A 3800-1<br>**Classe 1** / UNI 9177-87<br>**VKF 5.3**/SN 198898 — **1530.3**/**AS**/NZS<br>**1530.2**/AS/NZS — **G1**/GOST 30244-94<br>**Method 1 and 2** /NFPA 701 — CSFM T19<br>**Class A**/ASTM E84 — CAN ULCS 109<br>**Group 1**/AS NZS 3837 — **Class 1**/EN 13773 | |
| Euroclass | **B-s2, d0** | **B-s2, d0** | EN13501-1 |
| | **Management system** | | |
| Quality | | | ISO 9001 |
| Environment | | | ISO 14001 |
| Energy | | | ISO 50001 |

**Certifications, labels, warranty**

Précontraint® Technology

5-year warranty

[1]

**Recommendations**

No high-frequency welding: use of make-up strips recommended (cf. Soltis technical guide).

**Tools and services**

Custom thermal performance simulation service for your projects and associated Soltis solar protection systems: please ask your Serge Ferrari contact.
Evaluation tool for energy savings achieved with Soltis solar protection systems: www.textinergie.org

[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.

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

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