



SOLAR 50 C

Solar 50 C thermal insulation films reduce excess heat gain through glass in summer and also limit heat loss in winter. Significant savings in heating and air-conditioning costs can be made once this film is applied to windows, rapidly offsetting the initial cost of purchase and installation.



SOLAR SCREEN® Warranty
6 YEARS



Storage from -5°C to +40°C
3 YEARS



REACH RoHS compliant
RESPECTED

WIDTHS AVAILABLE:

↔ **152 cm**

TECHNICAL DATASHEET

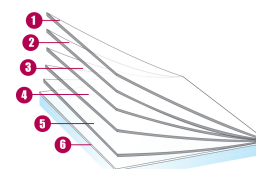
Data calculated based on film applied to clear glass 3 mm thick (*on double glazing 4-16-4)

| | |
|--------------------------------------|--------|
| Ultraviolet transmission | 1 % |
| Visible light transmission | 45 % |
| Reflection of external visible light | 37 % |
| Reflection of internal visible light | 40 % |
| Total solar energy rejected | 66 % |
| Total solar energy rejected 2* | 50 % |
| Solar ratio : | |
| Solar energy reflection | 38 % |
| Solar energy absorption | 30 % |
| Solar energy transmission | 32 % |
| Reduction in Solar Glare | 55 % |
| g-value | 0.35 |
| u-value | 4.6 |
| Heat loss Reduction (Winter) | 27 % |
| Emissivity | 0.40 |
| Shading coefficient | 0.4 |
| Installation type : Interior | |
| Roll length | 30,5 m |
| Film composition | PET |
| Thickness | 40 μ |

Colour from the outside : SILVER

CONSTRUCTION

1. Hard scratch resistant layer, for durability and ease of maintenance during window cleaning
2. High optical quality polyester, with anti IR metal particles deposit
3. Bonding adhesive
4. High optical quality polyester
5. PS adhesive, glass polymerization within 15 days
6. Protection release liner, disposable after installation



MAINTENANCE INSTRUCTIONS

Soapy water solution (ref. 0805 Film on), do not clean for at least a month and do not apply any type of sticker or adhesive on the film. To prevent a possible oxidation of the metal alloys, it is mandatory to use our sealing varnish (reference number 0771) on the corners of the film, after installation.

Non-contractual data, SOLAR SCREEN® reserves the right to modify the composition of its films at any time. Consult our guarantee vouchers and our general conditions of sale.

INSTALLATION ADVICE

Vertical installation and on standard glass surface**

| | |
|--------------------------------|---|
| Clear single pane | ✓ |
| Tinted single pane | ✓ |
| Reflective tinted single pane | ✓ |
| Clear double pane | ✓ |
| Tinted double pane | ! |
| Reflective tinted double pane | ✓ |
| Gas-filled double pane - Low E | ! |
| STADIP EXT. clear double pane | ✓ |
| STADIP INT. clear double pane | ! |

✓ Yes ! Caution ✗ Not recommended

*Recommendations provided on the basis of a glazed surface covering up to 2.5m², contact us for definitive details or to obtain a thermal chock analysis report.