



### SOLAR 80 C

Solar 80 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**



Fire-resistance rating  
**M1**



Storage from -5°C to +40°C  
**3 YEARS**



European Standard EN 1096-1  
**TESTED IN A  
 LABORATORY**



REACH RoHS compliant  
**RESPECTED**

### WIDTHS AVAILABLE:

↔ **152 cm**

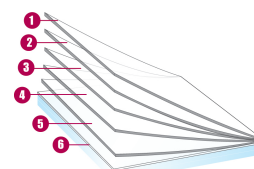
### TECHNICAL DATASHEET

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

Ultraviolet transmission	1 %
Visible light transmission	16 %
Reflection of external visible light	55 %
Reflection of internal visible light	55 %
Total solar energy rejected	78 %
Total solar energy rejected 2*	74 %
Solar ratio :	
Solar energy reflection	50 %
Solar energy absorption	40 %
Solar energy transmission	10 %
Reduction in Solar Glare	82 %
g-value	0.22
u-value	4.27
Heat loss Reduction (Winter)	33%
Emissivity	0.32
Shading coefficient	0.2
Installation type : Internal application	
Roll length	30,5 m
PET / PVC composition	PET
Thickness	50 µ
Colour : SILVER	

### CONSTRUCTION

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 2.5m<sup>2</sup>, contact us for definitive details or to obtain a thermal chock analysis report.