



### STEEL 50 C

Steel 50 C films are highly effective at reducing solar heat gain, whilst at the same time continuing to allow some natural light transmission. They offer a discreet solution for the reduction of solar heat gain thanks to the film's neutral tint.



SOLAR SCREEN® Warranty  
**10 YEARS**



Fire-resistance rating  
**M1**



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



REACH RoHS compliant  
**RESPECTED**

### WIDTHS AVAILABLE:

↔ **152 cm**

↔ **183 cm**

### TECHNICAL DATASHEET

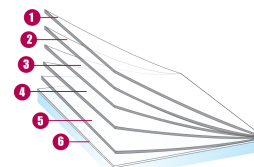
Data calculated based on film applied to clear glass 3 mm thick (\*on double glazing 4-16-4)

Ultraviolet transmission	1 %
Visible light transmission	49 %
Reflection of external visible light	14 %
Reflection of internal visible light	12 %
Total solar energy rejected	42 %
Total solar energy rejected 2*	40 %
Solar ratio :	
Solar energy reflection	13 %
Solar energy absorption	43 %
Solar energy transmission	44 %
Reduction in Solar Glare	46 %
g-value	0.59
u-value	5.7
Shading coefficient	0.6
Installation type : Interior	
Roll length	30,5 m
Film composition	PET
Thickness	60 µ

Colour from the outside : NEUTRAL

### CONSTRUCTION

- "Hard" scratch resistant layer, for durability and ease of maintenance during window cleaning
- Dyed polyester without optical distortion, with anti IR metal particles deposit
- Bonding adhesive
- Dyed polyester without optical distortion
- PS adhesive, glass polymerization within 15 days
- 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.

*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 shock analysis report.