



### STEEL 50 EXT.

Steel 50 Ext. film is highly effective at reducing solar heat gain, whilst at the same time continuing to allow some natural light transmission. Its neutral and light tint avoids any reflection from the outside of the building.



Warranty  
 See the notice "new guarantees for the external films"



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



REACH RoHS compliant  
**RESPECTED**

### WIDTHS AVAILABLE:

- ↔ **91 cm**
- ↔ **122 cm**
- ↔ **152 cm**

### TECHNICAL DATASHEET

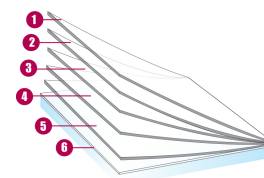
Data calculated based on film applied to clear glass 3 mm thick (\*on double glazing 4-16-4)

Ultraviolet transmission	<1 %
Visible light transmission	50 %
Reflection of external visible light	14 %
Reflection of internal visible light	11 %
Total solar energy rejected	49 %
Total solar energy rejected 2*	54 %
Solar ratio :	
Solar energy reflection	13 %
Solar energy absorption	40 %
Solar energy transmission	47 %
Reduction in Solar Glare	53 %
g-value	0,51
u-value	5,8
Heat loss Reduction (Winter)	
Rejected Infrared (760-2500 nm)	
Shading coefficient	0,60
Installation type : External application	
Roll length	30,5 m
PET / PVC composition	PET
Thickness	60 µ

Colour : NEUTRAL

### CONSTRUCTION

1. "Hard" scratch resistant layer, for durability and ease of maintenance during window cleaning
2. Dyed polyester without optical distortion, with anti IR metal particles deposit
3. Bonding adhesive
4. Dyed polyester without optical distortion
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. The silicone should be applied to the perimeter of the film when it is installed externally, to prevent any oxidation. Please read the notice regarding "new warranty for external films"

*Non-contractual data. We reserve the right to modify the composition of our films at any time. Consult our warranty documents.*

### 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.