



Solar  Screen

## PROTECTOR ARCHITECTURAL

Safety

Specialty - Surface Protection

### Description

The Protector Architectural film, made of polyurethane, has a thickness equivalent to four standard films. It effectively protects your surfaces against everyday damage while preserving their appearance thanks to full transparency. Its very flexible structure allows it to perfectly conform to all shapes and reliefs, even the most complex.

### Certifications



**REACH / RoHS**  
Compliant












**Fire Resistance Rating**  
M1



View test videos on  
the safety film

## Characteristics

-  **Warranty**  
3 years
-  **Fire Resistance Rating**  
M1
-  **Storage in recommended conditions**  
3 years
-  **REACH / RoHS**  
Compliant
-  **Widths Available**  
152 cm
-  **Installation Type**  
Exterior
-  **Color From the Outside**  
Transparent
-  **Length**  
30.5 m
-  **Product Carbon Footprint (LCA)**  
1.71 kgCO2e/m<sup>2</sup>

## Construction

- 1 Self-healing coating
- 2 Polyuréthane Thermoplastique (TPU) base film
- 3 PS adhesive, polymerizes with glass within 15 days
- 4 Protection PET release liner, disposable after installation

-  **Composition**  
PU
-  **Thickness**  
210 µm

## Mechanical Properties

-  **Tensile strength at break**  
N/A
-  **Elongation at break**  
N/A

## Optical and solar properties

Pane type	Single 3mm		Double Low-E	
	No film	With Film	No film	With Film
UV Rejection (%)	25	99	40	99
<b>Visible Light Transmission (%)</b>	<b>91</b>	<b>90</b>	<b>82</b>	<b>75</b>
Visible Light Reflection - External (%)	8	N/A	11	N/A
Visible Light Reflection - Internal (%)	8	N/A	12	N/A
Solar Energy Reflection (%)	5	N/A	12	N/A
Solar Energy Absorption (%)	8	N/A	28	N/A
Solar Energy Transmission (%)	87	N/A	60	N/A
<b>Total Solar Energy Rejected (%)</b>	<b>12</b>	<b>N/A</b>	<b>35</b>	<b>N/A</b>
Glare Reduction (%)	-	N/A	-	N/A
Shading Coefficient	-	N/A	-	N/A
<b>g-value</b>	<b>0.88</b>	<b>N/A</b>	<b>0.65</b>	<b>N/A</b>

## Application advice<sup>01</sup>

Vertical situation and for a standard glazed 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    ✗ Not recommended    ! Caution

## Installation and Maintenance Advise

Use Slide On (600-FO2) or Film On (600-F0355) diluted at 2 cL/L of water for installation and cleaning. Do not clean for one month after installation or apply stickers/adhesives on the film.



Download the  
installation and  
maintenance advice

**01** Advice based on glazed surface area up to 2.5 m<sup>2</sup>, please contact us for any confirmation or thermal shock analysis.  
The data in this information sheet is not contractual, SOLAR SCREEN reserves the right to modify the composition of its products at any time. Please refer to our warranties and general sales conditions.