



Solar  Screen

## SECUR 4

Safety  
Specialty - Emergency Glass  
Repair

### Description

Mirrors in public spaces, such as sports facilities, swimming pools and lifts must comply with higher than ordinary glass safety and security requirements. The Secur 4 (50m) film is specially designed to be applied to the back of mirrors, providing protection by holding shattered glass in place in the event of an explosion, fire or impact.

### Certifications



**REACH / RoHS**  
Compliant



**EN 12600**  
2B2













**Fire Resistance Rating**  
M1



View test videos on  
the safety film

## Characteristics

-  **Warranty**  
5 years
-  **Fire Resistance Rating**  
M1
-  **Storage in recommended conditions**  
3 years
-  **REACH / RoHS**  
Compliant
-  **EN 12600**  
2B2
-  **Widths Available**  
150 cm
-  **Installation Type**  
Interior
-  **Color From the Outside**  
Transparent
-  **Length**  
50 m
-  **Product Carbon Footprint (LCA)**  
1.52 kgCO<sub>2</sub>e/m<sup>2</sup>

## Mechanical Properties

-  **Tensile force at break**  
220 kg/cm
-  **Elongation at break**  
125%

## Optical and solar properties

Pane type	Single 3mm		Double Low-E	
	No film	With Film	No film	With Film
UV Rejection (%)	25	95	40	99
<b>Visible Light Transmission (%)</b>	<b>91</b>	<b>85</b>	<b>82</b>	<b>77</b>
Visible Light Reflection - External (%)	8	11	11	16
Visible Light Reflection - Internal (%)	8	11	12	16
Solar Energy Reflection (%)	5	9	28	24
Solar Energy Absorption (%)	8	14	12	25
Solar Energy Transmission (%)	87	77	60	50
<b>Total Solar Energy Rejected (%)</b>	<b>12</b>	<b>19</b>	<b>35</b>	<b>35</b>
Glare Reduction (%)	-	14	-	6
Shading Coefficient	-	0.9	-	1
<b>g-value</b>	<b>0.88</b>	<b>0.83</b>	<b>0.65</b>	<b>0.65</b>
U-value (W/m <sup>2</sup> .°C)	5.8	5.7	1.1	1.1

## Construction

- 1 Polyester 100 µm
- 2 Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
- 3 Paper release liner allowing digital cutting

-  **Composition**  
PET
-  **Thickness**  
125 µm

## 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

Safety film with reinforced PS adhesive, requiring a suitable application solution : Slide On (600-F02) or Film On (600-F0355) diluted at 2 cL/L of water, and a suitable safety squeegee (150-054 / 150-055 / 150-056). Do not clean for at least one month or apply stickers/adhesives to the film.



Download the  
installation and  
maintenance advice

<sup>01</sup> 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.