



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 strength at break**  
220 MPa
-  **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	12	24
Solar Energy Absorption (%)	8	14	28	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

- Polyester 100 µm
- Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
- 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.  
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