



# Solar Screen

## SILVER 480 XC

Safety  
Security - Combination

### Description

Silver 480 XC films are highly effective at reducing solar heat gain, whilst at the same time continuing to allow some natural light transmission. This film provides a good level of protection against solar glare, whilst its one-way mirror aspect further guarantees privacy from prying eyes. Its modern design immediately lends a contemporary feel to any building exterior. In addition, its safety composition will protect you from glass splinters. 2B2 certification and EN 12600 standard.

### 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**  
152 cm
-  **Installation Type**  
Exterior
-  **Color From the Outside**  
Silver
-  **Length**  
30.5 m
-  **Product Carbon Footprint (LCA)**  
2.52 kgCO<sub>2</sub>e/m<sup>2</sup>

## Mechanical Properties

-  **Tensile force at break**  
28 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	99	40	99
<b>Visible Light Transmission (%)</b>	<b>91</b>	<b>16</b>	<b>82</b>	<b>15</b>
Visible Light Reflection - External (%)	8	62	11	62
Visible Light Reflection - Internal (%)	8	62	12	62
Solar Energy Reflection (%)	5	67	28	68
Solar Energy Absorption (%)	8	20	12	22
Solar Energy Transmission (%)	87	13	60	10
<b>Total Solar Energy Rejected (%)</b>	<b>12</b>	<b>82</b>	<b>35</b>	<b>88</b>
Glare Reduction (%)	-	82	-	82
Shading Coefficient	-	0.20	-	0.18
<b>g-value</b>	<b>0.88</b>	<b>0.18</b>	<b>0.65</b>	<b>0.12</b>
U-value (W/m <sup>2</sup> .°C)	5.8	5.8	1.1	1.1

## Construction

- 1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 2 High optical quality polyester, with an IR-blocking metallic particle coating
- 3 Bonding adhesive
- 4 High optical quality polyester
- 5 Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
- 6 Protection PET release liner, disposable after installation

-  **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.