



# 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

Certified













Corporation



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)**  
2.21 kgCO<sub>2</sub>e/m<sup>2</sup>

## Construction

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

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

## 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	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	12	68
Solar Energy Absorption (%)	8	20	28	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

## 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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