

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, ist safety composition will protect you from glass splinters. 2B2 certification and EN 12600 standard.

Certified B Corporation

### Certifications

**REACH / RoHS**
Compliant

**EN 12600**
2B2

**Fire Resistance Rating**
M1

View test videos on the safety film

Solar Screen

# SILVER 480 XC

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## Characteristics

**Warranty**
Up to 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 kgCO2e/m²

## 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

## Mechanical Properties

**Tensile force at break**
28 kg/cm

**Elongation at break**
125%

## Optical and solar properties

| | Single 3mm | | Double Low-E | |
|---|---|---|---|---|
| Pane type | No film | With Film | No film | With Film |
| UV Rejection (%) | 25 | 99 | 40 | 99 |
| **Visible Light Transmission (%)** | **91** | **16** | **82** | **15** |
| 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 |
| **Total Solar Energy Rejected (%)** | **12** | **82** | **35** | **88** |
| Glare Reduction (%) | - | 82 | - | 82 |
| Shading Coefficient | - | 0.20 | - | 0.18 |
| **g-value** | **0.88** | **0.18** | **0.65** | **0.12** |
| U-value (W/m².°C) | 5.8 | 5.8 | 1.1 | 1.1 |

## Application advice[01]

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-FO2) 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

01 Advice based on glazed surface area up to 2.5 m², please contact us for any confirmation or thermal shock analysis.
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