



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)**
2.21 kgCO₂e/m²

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
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	12	68
Solar Energy Absorption (%)	8	20	28	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/m ² .°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 advice⁰¹

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

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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