



Solar Screen

SAFE 4 XC

Safety
Security - Prevention

Description

Safer 4 XC solvent resistant films provide highly effective protection against tags and graffiti. The film's protective qualities are not limited to solvents, it will also shield a window's surface from other acts of vandalism involving scratching or acid etching. An easy film to install and replace, it is also classed as a security film, providing protection by holding shattered glass in place in the event of an explosion or serious impact.

Certifications



REACH / RoHS
Compliant



Fire Resistance Rating
M1



View test videos on
the safety film

Characteristics

-  **Warranty**
3 years
-  **Fire Resistance Rating**
M1
-  **Storage in recommended conditions**
3 years
-  **REACH / RoHS**
Compliant
-  **Widths Available**
122 cm, 152 cm, 183 cm
-  **Installation Type**
Exterior
-  **Color From the Outside**
Transparent
-  **Length**
30.5 m
-  **Product Carbon Footprint (LCA)**
2.42 kgCO₂e/m²

Construction

- Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- High optical quality polyester
- 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 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	95	40	99
Visible Light Transmission (%)	91	85	82	77
Visible Light Reflection - External (%)	8	11	11	14
Visible Light Reflection - Internal (%)	8	11	12	14
Solar Energy Reflection (%)	5	8	28	14
Solar Energy Absorption (%)	8	16	12	25
Solar Energy Transmission (%)	87	76	60	51
Total Solar Energy Rejected (%)	12	20	35	41
Glare Reduction (%)	-	14	-	6
Shading Coefficient	-	0.90	-	0.88
g-value	0.88	0.80	0.65	0.57
U-value (W/m ² .°C)	5.8	5.8	1.1	1.1

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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