



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)
2.15 kgCO₂e/m²

Construction

- 1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 2 High optical quality polyester
- 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 strength at break
210 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	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	12	14
Solar Energy Absorption (%)	8	16	28	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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