

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

Certified B Corporation

View test videos on the safety film

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Characteristics

Warranty
Up to 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

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 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	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/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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