

Solar Screen

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EXTERNAL SAFETY 8mil 200 MICRON

Safety
Security - Protection

Description

Improve glazing safety with our External Safety 8mil 200 Micron Window Film. Specifically designed for exterior installation, this heavy-duty transparent safety film helps hold shattered glass fragments together following accidental impact or breakage, reducing the risk of injury from broken glass.

With a substantial 200 micron (8mil) thickness, this film provides a heavier protective layer than standard 4mil safety films while maintaining natural daylight and clear outward visibility.

Compliant with European Standard EN 12600, this external safety film offers recognised impact safety performance and is backed by a 5-year external warranty.

Certifications

REACH / RoHS
Compliant

EN 12600
1B1

EN 356
P1A

Fire Resistance Rating
M1

View test videos on the safety film

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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
1B1

EN 356
P1A

Widths Available
152 cm, 183 cm

Installation Type
Exterior

Color From the Outside
Transparent

Length
30.5 m

Product Carbon Footprint (LCA)
2.21 kgCO2e/m²

Mechanical Properties

Tensile force at break
40 kg/cm

Elongation at break
160%

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**	**83**	**82**	**75**
Visible Light Reflection - External (%)	8	10	11	13
Visible Light Reflection - Internal (%)	8	10	12	13
Solar Energy Reflection (%)	5	10	28	29
Solar Energy Absorption (%)	8	14	12	20
Solar Energy Transmission (%)	87	76	60	51
Total Solar Energy Rejected (%)	**12**	**20**	**35**	**43**
Glare Reduction (%)	-	15	-	9
Shading Coefficient	-	0.90	-	0.88
g-value	**0.88**	**0.82**	**0.65**	**0.57**
U-value (W/m².°C)	5.8	5.7	1.1	1.1

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
240 µm

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.
The data in this information sheet is not contractual, SOLAR SCREEN reserves the right to modify the composition of its products at any time. Please refer to our warranties and general sales conditions.