



Solar Screen

CLEAR 7 C

Safety

Security - Prevention

Description

Clear 7 C films help secure your windows by ensuring that the glass does not shatter, remaining transparent and retaining its overall integrity in the event of an impact, explosion or fire. Comply with European Standard EN 12600.

Certifications

 **REACH / RoHS**
Compliant

 **EN 12600**
1B1

 **Fire Resistance Rating**
M1



View test videos on
the safety film

Characteristics

	Warranty 12 years
	Fire Resistance Rating M1
	Storage in recommended conditions 3 years
	REACH / RoHS Compliant
	EN 12600 1B1
	Widths Available 122 cm, 152 cm
	Installation Type Interior
	Color From the Outside Transparent
	Length 30.5 m
	Product Carbon Footprint (LCA) 2.25 kgCO2e/m ²

Construction

- 1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 2 High optical quality polyester
- 3 Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
- 4 Protection PET release liner, disposable after installation

	Composition PET		Thickness 210 µm
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Mechanical Properties

	Tensile strength at break 160 MPa
	Elongation at break 125%

Optical and solar properties

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	16
Visible Light Reflection - Internal (%)	8	11	12	16
Solar Energy Reflection (%)	5	10	12	24
Solar Energy Absorption (%)	8	8	28	22
Solar Energy Transmission (%)	87	82	60	54
Total Solar Energy Rejected (%)	12	20	35	35
Glare Reduction (%)	-	15	-	6
Shading Coefficient	-	0.90	-	1.0
g-value	0.88	0.83	0.65	0.65
U-value (W/m ² .°C)	5.8	5.7	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 Advice

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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