



Solar  Screen

PROTEC 6 C

Safety
Anti-Graffiti - Standard

Description

Protec 6 C 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, impact or fire.

Certifications



REACH / RoHS
Compliant



Fire Resistance Rating
M1



View test videos on
the safety film

Characteristics

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

Construction

- 1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 2 High optical quality polyester
- 3 Half permanent adhesive that will ease the removal of the film from the window
- 4 Protection PET release liner, disposable after installation

-  **Composition**
PET
-  **Thickness**
180 µm

Mechanical Properties

-  **Tensile strength at break**
N/A
-  **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	86	82	78
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	83	60	54
Total Solar Energy Rejected (%)	12	20	35	35
Glare Reduction (%)	-	14	-	5
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 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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