



Solar Screen

MULTI - PROTEC 4 C

Safety
Anti-Graffiti - Standard

Description

This multi-layer film has many lives! Indeed, thanks to its 4 layers of 100 microns, it will protect your surfaces from graffiti and tags. Once the film is too visually damaged, you can simply remove the layer. You have 4 layers before you have to install a new film. In addition, this film will also reinforce your windows against accidents, aggression and explosion risks.

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**
Interior
-  **Color From the Outside**
Transparent
-  **Length**
30.5 m
-  **Product Carbon Footprint (LCA)**
2.34 kgCO₂e/m²

Construction

- 1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 2 100 µm high optical quality polyester
- 3 Non permanent PS adhesive
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- 6 Non permanent PS adhesive
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- 8 100 µm high optical quality polyester
- 9 Non permanent PS adhesive
- 10 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 11 100 µm high optical quality polyester
- 12 Non permanent PS adhesive
- 13 Protection PET release liner, disposable after installation

-  **Composition**
PET
-  **Thickness**
485 µm

Mechanical Properties

-  **Tensile strength at break**
N/A
-  **Elongation at break**
N/A

Optical and solar properties

Pane type	Single 3mm		Double Low-E	
	No film	With Film	No film	With Film
UV Rejection (%)	25	98	40	99
Visible Light Transmission (%)	91	82	82	74
Visible Light Reflection - External (%)	8	11	11	16
Visible Light Reflection - Internal (%)	8	11	12	16
Solar Energy Reflection (%)	5	9	12	24
Solar Energy Absorption (%)	8	14	28	25
Solar Energy Transmission (%)	87	77	60	50
Total Solar Energy Rejected (%)	12	19	35	35
Glare Reduction (%)	-	17	-	10
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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