



Solar  Screen

PROTECTOR ARCHITECTURAL

Safety

Specialty - Surface Protection

Description

The Protector Architectural film, made of polyurethane, has a thickness equivalent to four standard films. It effectively protects your surfaces against everyday damage while preserving their appearance thanks to full transparency. Its very flexible structure allows it to perfectly conform to all shapes and reliefs, even the most complex.

Certifications



REACH / RoHS
Compliant












Fire Resistance Rating
M1



View test videos on
the safety film

Characteristics



-  **Warranty**
3 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)**
2.02 kgCO₂e/m²

Construction

- 1 Self-healing coating
- 2 Polyuréthane Thermoplastique (TPU) base film
- 3 PS adhesive, polymerizes with glass within 15 days
- 4 Protection PET release liner, disposable after installation

-  **Composition**
PU
-  **Thickness**
210 µm

Mechanical Properties

-  **Tensile force 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	99	40	99
Visible Light Transmission (%)	91	90	82	75
Visible Light Reflection - External (%)	8	N/A	11	N/A
Visible Light Reflection - Internal (%)	8	N/A	12	N/A
Solar Energy Reflection (%)	5	N/A	28	N/A
Solar Energy Absorption (%)	8	N/A	12	N/A
Solar Energy Transmission (%)	87	N/A	60	N/A
Total Solar Energy Rejected (%)	12	N/A	35	N/A
Glare Reduction (%)	-	N/A	-	N/A
Shading Coefficient	-	N/A	-	N/A
g-value	0.88	N/A	0.65	N/A

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

Use Slide On (600-FO2) or Film On (600-F0355) diluted at 2 cL/L of water for installation and cleaning. Do not clean for one month after installation or apply stickers/adhesives on 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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