

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

Certified B Corporation

View test videos on the safety film

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Characteristics

Warranty
Up to 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

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**	**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 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

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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