

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

Solar Screen

# PROTECTOR ARCHITECTURAL

Safety
Specialty - Surface Protection

## 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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