

Solar Screen

# SAFETY MAT WHITE

## Safety

## Security - Combination

### Description

Mat White Security privacy films are designed to provide protection against the scrutiny of prying eyes. Whilst completely opalescent, the film still allows most natural light to pass through. Designed to act as a security film, it provides protection by holding shattered glass in place in the event of an impact.

### Certifications

**REACH / RoHS**
Compliant

**EN 12600**
2B2

**Fire Resistance Rating**
M1

Certified B Corporation

View test videos on the safety film

Solar Screen

# SAFETY MAT WHITE

Safety
Security - Combination

## Characteristics

**Warranty**
Up to 10 years

**Fire Resistance Rating**
M1

**Storage in recommended conditions**
3 years

**REACH / RoHS**
Compliant

**EN 12600**
2B2

**Widths Available**
152 cm

**Installation Type**
Interior

**Color From the Outside**
White

**Length**
30.5 m

**Product Carbon Footprint (LCA)**
2.55 kgCO2e/m²

## Construction

1 Frosted polyester with satin surface
2 Bonding adhesive
3 Polyester 100 µm
4 Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
5 Protection PET release liner, disposable after installation

**Composition**
PET

**Thickness**
150 µm

## Mechanical Properties

**Tensile force at break**
28 kg/cm

**Elongation at break**
125%

## 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** | **25** | **82** | **23** |
| Visible Light Reflection - External (%) | 8 | 26 | 11 | 27 |
| Visible Light Reflection - Internal (%) | 8 | 26 | 12 | 27 |
| Solar Energy Reflection (%) | 5 | 23 | 28 | 30 |
| Solar Energy Absorption (%) | 8 | 6 | 12 | 24 |
| Solar Energy Transmission (%) | 87 | 71 | 60 | 46 |
| **Total Solar Energy Rejected (%)** | **12** | **28** | **35** | **38** |
| Glare Reduction (%) | - | 22 | - | 21 |
| Shading Coefficient | - | 0.80 | - | 0.95 |
| **g-value** | **0.88** | **0.71** | **0.65** | **0.62** |
| U-value (W/m².°C) | 5.8 | 5.6 | 1.1 | 1.1 |

## 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

Safety film with reinforced PS adhesive, requiring a suitable application solution : Slide On (600-FO2) 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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