

Solar Screen

SILVER 480 C

Safety
Security - Combination

Description

Silver 480 C films are highly effective at reducing solar heat gain, whilst at the same time continuing to allow most natural light to pass through. Solar glare is greatly diminished and its one-way mirror aspect guarantees privacy from prying eyes, whilst affording a modern feel to the exterior of a building. A highly resilient film, it helps to secure your windows by ensuring that the glass does not shatter in the event of an impact or explosion. Conforms to European Standard EN 12600.

Certified B Corporation

Certifications

REACH / RoHS
Compliant

EN 12600
2B2

Fire Resistance Rating
M1

View test videos on the safety film

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Characteristics

Warranty
Up to 10 years

Fire Resistance Rating
M1

Storage in recommended conditions
3 years

REACH / RoHS
Compliant

EN 12600
2B2

Widths Available
122 cm, 152 cm

Installation Type
Interior

Color From the Outside
Silver

Length
30.5 m

Product Carbon Footprint (LCA)
2.52 kgCO2e/m²

Construction

1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
2 High optical quality polyester, with an IR-blocking metallic particle coating
3 Bonding adhesive
4 High optical quality polyester
5 Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
6 Protection PET release liner, disposable after installation

Composition
PET

Thickness
125 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**	**18**	**82**	**17**
Visible Light Reflection - External (%)	8	60	11	57
Visible Light Reflection - Internal (%)	8	58	12	57
Solar Energy Reflection (%)	5	56	28	44
Solar Energy Absorption (%)	8	33	12	49
Solar Energy Transmission (%)	87	11	60	7
Total Solar Energy Rejected (%)	**12**	**80**	**35**	**55**
Glare Reduction (%)	-	83	-	79
Shading Coefficient	-	0.2	-	0.66
g-value	**0.88**	**0.2**	**0.65**	**0.43**
U-value (W/m².°C)	5.8	5.1	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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