



Solar Screen

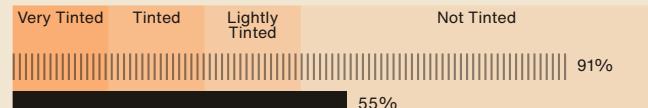
SILVER 345 XC

Solar Control
Silver - Exterior

Description

The Silver 345 XC film features an advanced three-layer PET construction, offering exceptional performance and durable weather resistance. It reduces solar heat gain while allowing generous natural light to pass through. Its nearly invisible appearance preserves the building's original look, maintaining a bright and natural interior.

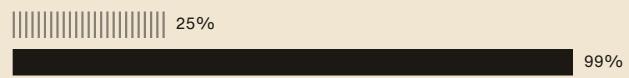
Visible Light Transmission (%)



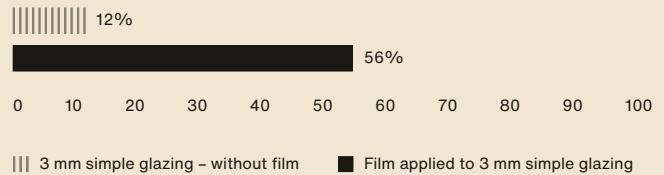
Visible Light Reflection - External (%)



UV Rejection (%)



Total Solar Energy Rejected (%)



Characteristics

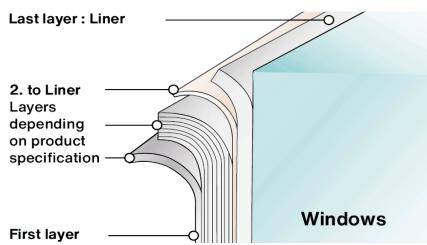
 Warranty	12 years
 Fire Resistance Rating	M1
 Storage in recommended conditions	3 years
 REACH / RoHS	Compliant
 Widths Available	122 cm, 152 cm, 183 cm
 Installation Type	Exterior
 Color From the Outside	Silver Light
 Length	30.5 m
 Product Carbon Footprint (LCA)	1.16 kgCO ₂ e/m ²

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 Bonding adhesive
- 6 High optical quality polyester
- 7 PS adhesive, polymerizes with glass within 15 days
- 8 Protection PET release liner, disposable after installation

 **Composition** PET  **Thickness** 75 µm

Details



Energy and environmental benefits⁰¹

 Energy savings	51.0 kWh/m ² /year
 Carbon footprint reduction	16.1 kgCO ₂ /m ²
 Financial savings	12 euros/m ² /year



Access our energy savings calculator

Optical and solar properties

Pane type	No film	With Film	No film	With Film
UV Rejection (%)	25	99	40	99
Visible Light Transmission (%)	91	55	82	50
Visible Light Reflection - External (%)	8	22	11	22
Visible Light Reflection - Internal (%)	8	20	12	20
Solar Energy Reflection (%)	5	30	12	24
Solar Energy Absorption (%)	8	32	28	35
Solar Energy Transmission (%)	87	38	60	41
Total Solar Energy Rejected (%)	12	56	35	64
Glare Reduction (%)	-	40	-	39
Shading Coefficient	-	0.52	-	0.63
g-value	0.88	0.45	0.65	0.4
U-value (W/m ² .°C)	5.8	5.8	1.1	1.1

Application advice⁰²

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

Single 3mm Double Low-E

No film With Film No film With Film

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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. For external installations, apply silicone to the film perimeter to prevent oxidation. Please refer to the notice "New Warranty for External Films".



Access the installation and maintenance advice video

⁰¹ Values based on a study carried out on an air-conditioned building located in Luxembourg, with a film applied on a low-E double glazing, facing East. The heating months considered are from October to March, and the cooling months from April to September. We consider an electric heating system of the heat pump type, with a production efficiency of 3.5 and an electric cooling system with an efficiency of 3. For more information, visit our online tool.

⁰² Advice based on glazed surface area up to 2.5 m², please contact us for any confirmation or thermal shock analysis. The data in this information sheet is not contractual, SOLAR SCREEN reserves the right to modify the composition of its products at any time. Please refer to our warranties and general sales conditions.