



Solar Screen

Description

The Metalux plus self-adhesive reflective film has been specially designed to protect against the detrimental effects of solar exposure, limiting solar heat gain, solar glare and eliminating the effects of fading on polycarbonate and other synthetic materials.

METALUX PLUS

Solar Control

Polycarbonate Application -
Interior

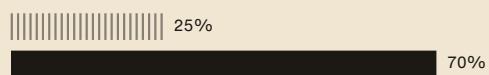
Visible Light Transmission (%)



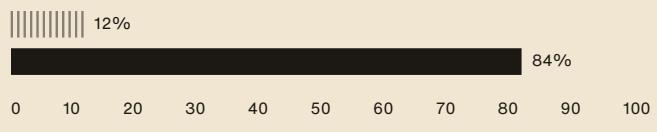
Visible Light Reflection - External (%)



UV Rejection (%)



Total Solar Energy Rejected (%)



||| 3 mm simple glazing – without film ■ Film applied to 3 mm simple glazing



Characteristics

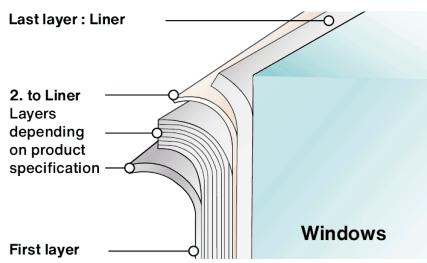
 Warranty	8 years
 Fire Resistance Rating	M1
 Storage in recommended conditions	3 years
 REACH / RoHS	Compliant
 Widths Available	152 cm
 Installation Type	Interior
 Color From the Outside	Grey
 Length	50 m
 Product Carbon Footprint (LCA)	1.26 kgCO ₂ e/m ²

Construction

- 80 µm polymeric PVC
- Half Permanent Adhesive, allowing the degassing of the actual surface, and limits the adhesive transfer during removal
- Paper release liner allowing digital cutting

 Composition	PVC	 Thickness	80 µm
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Details



Energy and environmental benefits⁰¹

 Energy savings	N/A
 Carbon footprint reduction	N/A
 Financial savings	N/A



Access our energy savings calculator

Optical and solar properties

Pane type	No film	With Film	No film	With Film
UV Rejection (%)	25	70	40	N/A
Visible Light Transmission (%)	91	10	82	N/A
Visible Light Reflection - External (%)	8	25	11	N/A
Visible Light Reflection - Internal (%)	8	25	12	N/A
Solar Energy Reflection (%)	5	42	12	N/A
Solar Energy Absorption (%)	8	44	28	N/A
Solar Energy Transmission (%)	87	14	60	N/A
Total Solar Energy Rejected (%)	12	84	35	N/A
Glare Reduction (%)	-	88	-	N/A
Shading Coefficient	-	0.2	-	N/A
g-value	0.88	0.22	0.65	N/A

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

Installation and Maintenance Advice

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.



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.