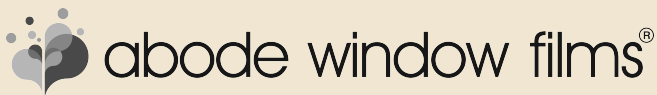




Exterior

Interior



EXTERNAL Prestige 20

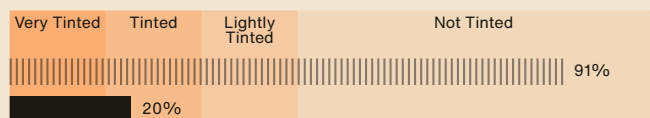
EXTERIOR SOLAR CONTROL

Description

External Prestige 20 Solar Control Window Film is specifically designed for outdoor installation, making it ideal for situations where interior access is limited. It's especially effective on tinted or patterned glass surfaces and is well-suited for use on roof lights. Once installed, the film significantly reduces heat by reflecting and blocking solar energy before it enters through the glazing. This helps enhance comfort in both residential and commercial environments and can lower air conditioning costs. Additionally, the film minimizes glare on screens, contributing to a more comfortable workspace and aiding compliance with workplace health and safety regulations.



Visible Light Transmission (%)



Visible Light Reflection - External (%)



UV Rejection (%)












Total Solar Energy Rejected (%)



0 10 20 30 40 50 60 70 80 90 100


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

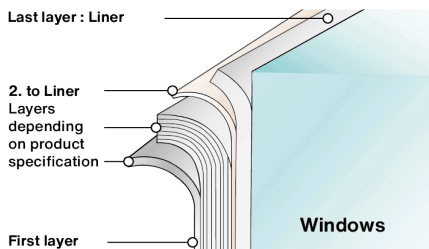
Characteristics




-  **Warranty**
5 years
-  **Fire Resistance Rating**
M1
-  **Storage in recommended conditions**
3 years
-  **REACH / RoHS**
Compliant
-  **Widths Available**
122 cm, 152 cm, 90 cm
-  **Installation Type**
Exterior
-  **Color From the Outside**
Neutral
-  **Length**
30.5 m
-  **Product Carbon Footprint (LCA)**
1.23 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 PS adhesive, polymerizes with glass within 15 days
- 6 Protection PET release liner, disposable after installation

-  **Composition**
PET
-  **Thickness**
60 µm

Details

Energy and environmental benefits⁰¹

-  **Energy savings**
98.0 kWh/m²/year
-  **Carbon footprint reduction**
31.0 kgCO₂/m²
-  **Financial savings**
23 euros/m²/year

Optical and solar properties

Pane type	Single 3mm		Double Low-E	
	No film	With Film	No film	With Film
UV Rejection (%)	25	99	40	99
Visible Light Transmission (%)	91	20	82	18
Visible Light Reflection - External (%)	8	20	11	20
Visible Light Reflection - Internal (%)	8	20	12	20
Solar Energy Reflection (%)	5	25	28	26
Solar Energy Absorption (%)	8	57	12	62
Solar Energy Transmission (%)	87	18	60	12
Total Solar Energy Rejected (%)	12	67	35	83
Infrared Rejection (780 - 2500 nm) (%)	16	82	16	89
Glare Reduction (%)	-	78	-	76
Shading Coefficient	-	0.38	-	0.2
g-value	0.88	0.33	0.65	0.17
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

Installation and Maintenance Advise

You can easily make your own installation fluid at home. Mix 1 liter of water with about 8 drops of baby shampoo or a mild, clear dish soap 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, reserves the right to modify the composition of its products at any time. Please refer to our warranties and general sales conditions.