Solar Screen

ALU 50 - STATIC

Solar Control

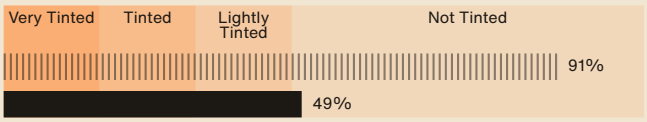
Silver - Interior

Description

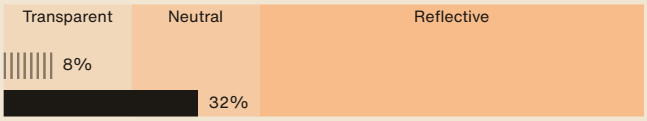
The Alu 50 Static film significantly reduces solar heat while retaining a good amount of natural light. It helps decrease glare, and its one-way mirror effect minimizes any view obstruction while ensuring a contemporary exterior look. Additionally, this "static" version is very easy to install.

Certified B Corporation

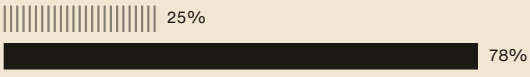
Visible Light Transmission (%)



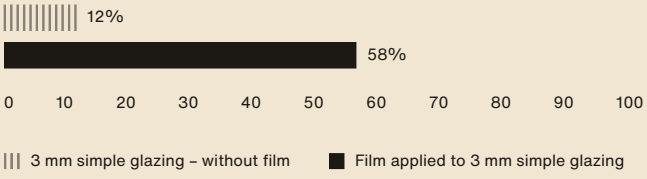
Visible Light Reflection - External (%)



UV Rejection (%)



Total Solar Energy Rejected (%)



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ALU 50 - STATIC

Solar Control
Silver - Interior

Characteristics

Warranty
2 years

Fire Resistance Rating
M1

Storage in recommended conditions
3 years

Widths Available
152 cm

Installation Type
Interior

Color From the Outside
Silver Light

Length
20 m

Product Carbon Footprint (LCA)
1.56 kgCO2e/m²

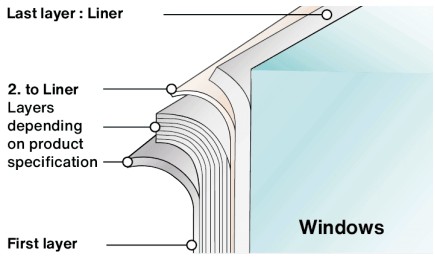
Construction

1 High optical quality dyed polyester with IR-blocking metallic particles
2 Bonding adhesive
3 75 µm monomeric PVC
4 Protection PET release liner, disposable after installation

Composition
PVC + PET

Thickness
165 µm

Details



Energy and environmental benefits[01]

Energy savings
N/A

Carbon footprint reduction
N/A

Financial savings
N/A

Access our energy savings calculator

Optical and solar properties

	Single 3mm		Double Low-E	
Pane type	No film	With Film	No film	With Film
UV Rejection (%)	25	78	40	78
Visible Light Transmission (%)	**91**	**49**	**82**	**45**
Visible Light Reflection - External (%)	8	32	11	32
Solar Energy Reflection (%)	5	31	28	34
Solar Energy Absorption (%)	8	28	12	40
Solar Energy Transmission (%)	87	41	60	27
Total Solar Energy Rejected (%)	**12**	**58**	**35**	**44**
Glare Reduction (%)	-	46	-	40
Shading Coefficient	-	0.48	-	0.64
g-value	**0.88**	**0.42**	**0.65**	**0.56**
U-value (W/m².°C)	5.8	5.6	1.1	1.1

Application advice[02]

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

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.
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