

INTERIOR

SOLAR CONTROL • ARCHITECTURAL FILM

ALU 80 C

Reflective Solar Control Film — Interior Application, Silver From Outside

Alu 80 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.

- Rejects 79% of total solar energy for effective heat control
- Retains 24% visible light transmission
- Engineered and certified for professional interior installation
- 99% UV rejection helps protect interiors and furnishings from fading
- Sleek silver, mirror-like finish enhances the building's facade

Key Strengths



99%

UV Rejection



24%

Visible Light
Transmission



79%

Total Solar Energy
Rejected



74%

Glare Reduction



60%

Visible Light Reflection
— External

Why Choose ALU 80 C?

A reflective solar control film that cuts solar heat gain and glare while giving the facade a sleek, modern finish.

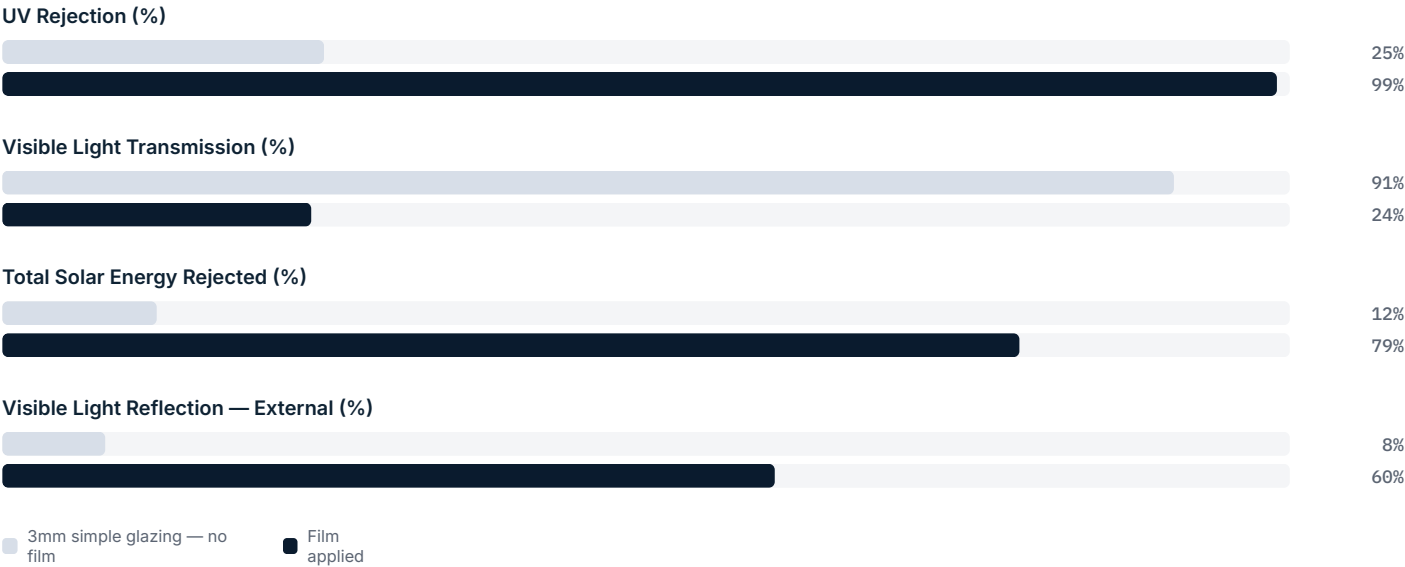
ADVANTAGES

- Rejects 79% of total solar energy
- 99% UV protection
- 24% visible light transmission retained
- 74% glare reduction, improved visual comfort
- Reflective finish enhances the facade
- Professional interior installation

PERFORMANCE KEY — SINGLE 3MM, FILM APPLIED

99%	24%	79%	74%	60%
UV Rejection	Visible Light Transmission	Total Solar Energy Rejected	Glare Reduction	Visible Light Reflection — External

PERFORMANCE CHARTS — NO FILM VS. FILM APPLIED



CHARACTERISTICS



Warranty
7 years



Fire Resistance Rating
M1



Storage (recommended conditions)
3 years



REACH / RoHS
Compliant



Widths Available
91 cm, 122 cm, 152 cm, 183 cm



Installation Type
Interior



Color From the Outside
Silver



Length
30.5 m



Product Carbon Footprint (LCA)
1.34 kgCO₂e/m²

CONSTRUCTION – PET, 50 µm

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

ENERGY & ENVIRONMENTAL BENEFITS



Energy Savings
71.4 kWh/m²/yr



Carbon Footprint Reduction
22.6 kgCO₂/m²



Financial Savings
16 €/m²/yr

OPTICAL & 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	24	82	23
Visible Light Reflection — External (%)	8	60	11	57
Visible Light Reflection — Internal (%)	8	60	12	57
Solar Energy Reflection (%)	5	55	28	44
Solar Energy Absorption (%)	8	33	12	48
Solar Energy Transmission (%)	87	12	60	8
Total Solar Energy Rejected (%)	12	79	35	55
Infrared Rejection, 780–2500 nm (%)	—	—	—	—
Glare Reduction (%)	—	74	—	72
Shading Coefficient	—	0.24	—	0.49
g-value	0.88	0.21	0.65	0.43
U-value (W/m²·°C)	5.8	5.1	1.1	1.1

Values based on a study conducted on an air-conditioned building located in Luxembourg, film applied on a low-E double glazing facing East. Heating months are October to March, cooling months April to September, using an electric heat pump (efficiency 3.5) and electric cooling (efficiency 3). Data is not contractual — FNX | EVO reserves the right to modify product composition at any time; refer to our warranties and general sales conditions.

GLAZING RECOMMENDATIONS

Vertical situation, standard glazed surface up to 2.5 m².

Clear Single Pane	✓ Yes
Tinted Single Pane	✓ Yes
Reflective Tinted Single Pane	✓ Yes
Clear Double Pane	! Caution
Tinted Double Pane	× Not recommended
Reflective Tinted Double Pane	! Caution
Gas-Filled Double Pane - Low E	! Caution
Stadip Ext. Clear Double Pane	! Caution
Stadip Int. Clear Double Pane	× Not recommended

✓ Yes ! Caution × Not recommended

Advice based on glazed surface area up to 2.5 m² — contact us for confirmation or a thermal shock analysis on larger or atypical glazing.

INSTALLATION & MAINTENANCE

Use Slide On (600-F02) 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.



Learn more about FNX and our product catalog.



THERMAL COMFORT



UV PROTECTION



GLARE REDUCTION



ENERGY PERFORMANCE



SUPERIOR AESTHETICS



PROFESSIONAL INSTALL