

EXTERIOR

SOLAR CONTROL • ARCHITECTURAL FILM

ALU 70 XC

Reflective Solar Control Film — Exterior Application, Silver From Outside

The Alu 70 XC film offers effective solar heat reduction and glare control with a soft mirror effect, ensuring daytime privacy. Its simple design guarantees functional performance while allowing a moderate level of natural light, giving facades a clean and modern appearance.

- Rejects 66% of total solar energy for effective heat control
- Retains 43% visible light transmission
- Engineered and certified for professional exterior 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

**43%**Visible Light
Transmission**66%**Total Solar Energy
Rejected**57%**

Glare Reduction

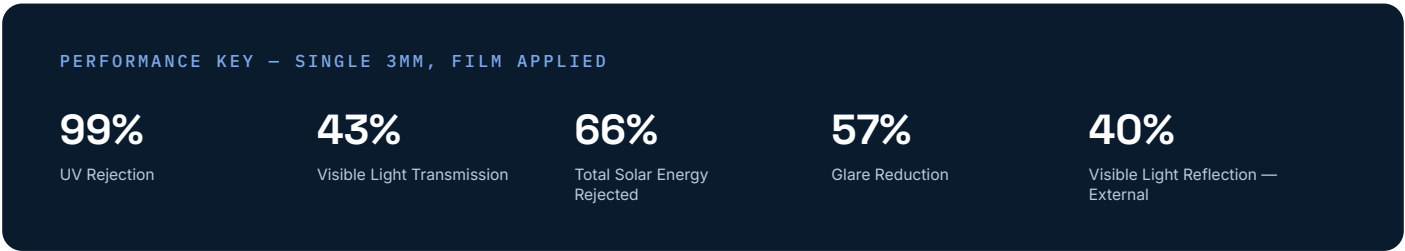
**40%**Visible Light Reflection
— External

Why Choose ALU 70 XC?

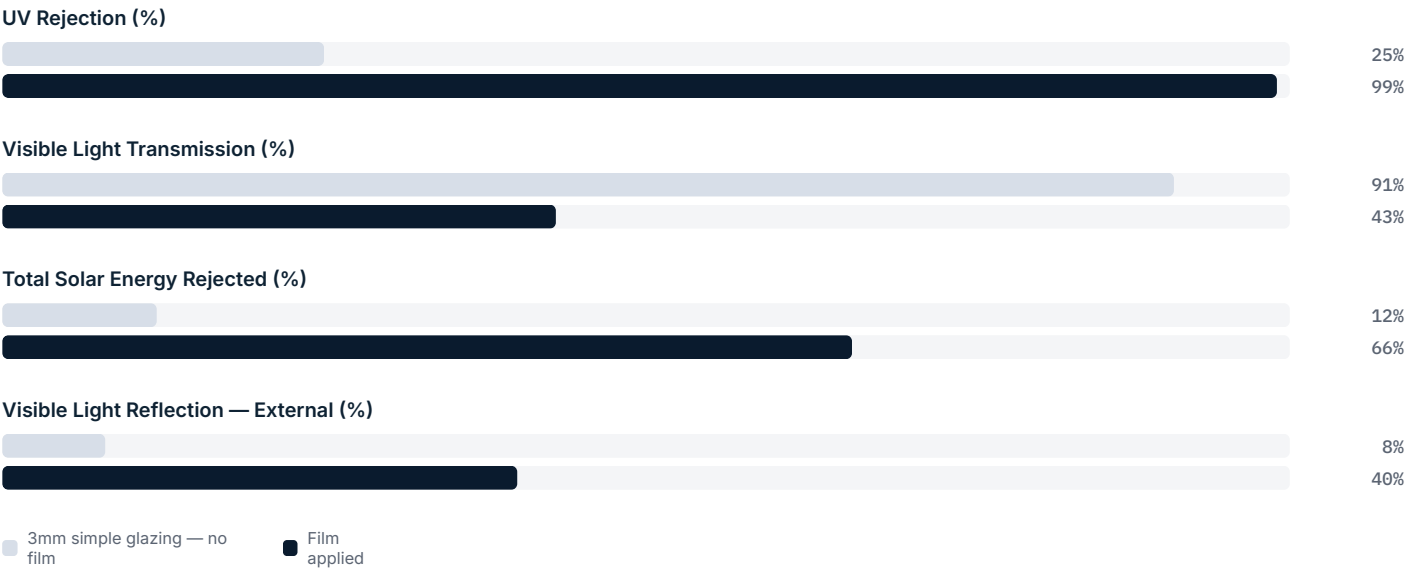
A reflective solar control film that cuts solar heat gain and glare while giving the facade a sleek, modern finish.

ADVANTAGES

- Rejects 66% of total solar energy
- 99% UV protection
- 43% visible light transmission retained
- 57% glare reduction, improved visual comfort
- Reflective finish enhances the facade
- Professional exterior installation



PERFORMANCE CHARTS — NO FILM VS. FILM APPLIED



CHARACTERISTICS



Warranty
3 years



Fire Resistance Rating
M1



Storage (recommended conditions)
3 years



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



Installation Type
Exterior



Color From the Outside
Silver Medium



Length
30.5 m



Product Carbon Footprint (LCA)
1.49 kgCO₂e/m²

CONSTRUCTION – PET, 75 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
83.7 kWh/m²/yr



Carbon Footprint Reduction
26.5 kgCO₂/m²



Financial Savings
19 €/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	43	82	39
Visible Light Reflection — External (%)	8	40	11	41
Visible Light Reflection — Internal (%)	8	39	12	40
Solar Energy Reflection (%)	5	44	28	46
Solar Energy Absorption (%)	8	29	12	34
Solar Energy Transmission (%)	87	27	60	20
Total Solar Energy Rejected (%)	12	66	35	76
Infrared Rejection, 780–2500 nm (%)	16	84	16	88
Glare Reduction (%)	—	57	—	52
Shading Coefficient	—	0.39	—	0.28
g-value	0.88	0.34	0.65	0.24
U-value (W/m²·°C)	5.8	5.8	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	✓ Yes
Tinted Double Pane	✓ Yes
Reflective Tinted Double Pane	✓ Yes
Gas-Filled Double Pane - Low E	✓ Yes
Stadip Ext. Clear Double Pane	✓ Yes
Stadip Int. Clear Double Pane	✓ Yes

✓ 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-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".



Learn more about FNX and our product catalog.



THERMAL COMFORT



UV PROTECTION



GLARE REDUCTION



ENERGY PERFORMANCE



SUPERIOR AESTHETICS



PROFESSIONAL INSTALL