

INTERIOR

PROTECTIVE & SECURITY FILM

CLEAR 12 C (NEW)

Security - Protection — Interior Application, Transparent From Outside

Clear12 C films help secure your windows by ensuring that the glass does not shatter, remaining transparent and retaining its overall integrity in the event of an impact, explosion or fire. Ideally suited to covering large glazed expanses, it complies with European Standard EN 12600.

- Rejects 20% of total solar energy for effective heat control
- Retains 82% visible light transmission
- Engineered and certified for professional interior installation
- 95% UV rejection helps protect interiors and furnishings from fading
- Transparent finish keeps the glazing's original clarity intact

Key Strengths



95%

UV Rejection



82%

Visible Light
Transmission



20%

Total Solar Energy
Rejected



16%

Glare Reduction



12%

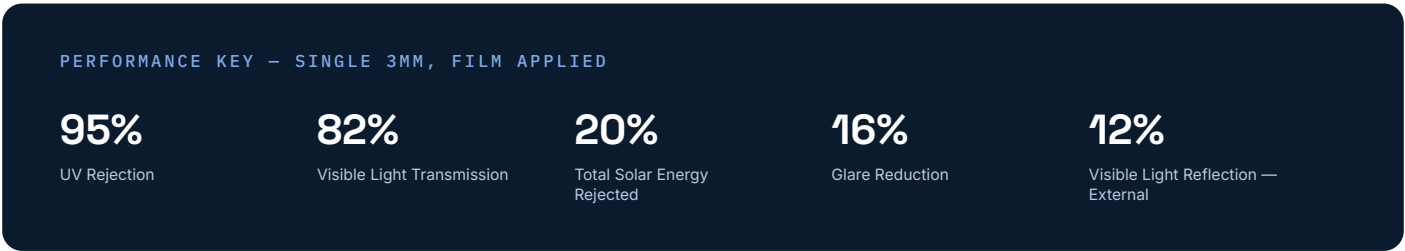
Visible Light Reflection
— External

Why Choose CLEAR 12 C (NEW)?

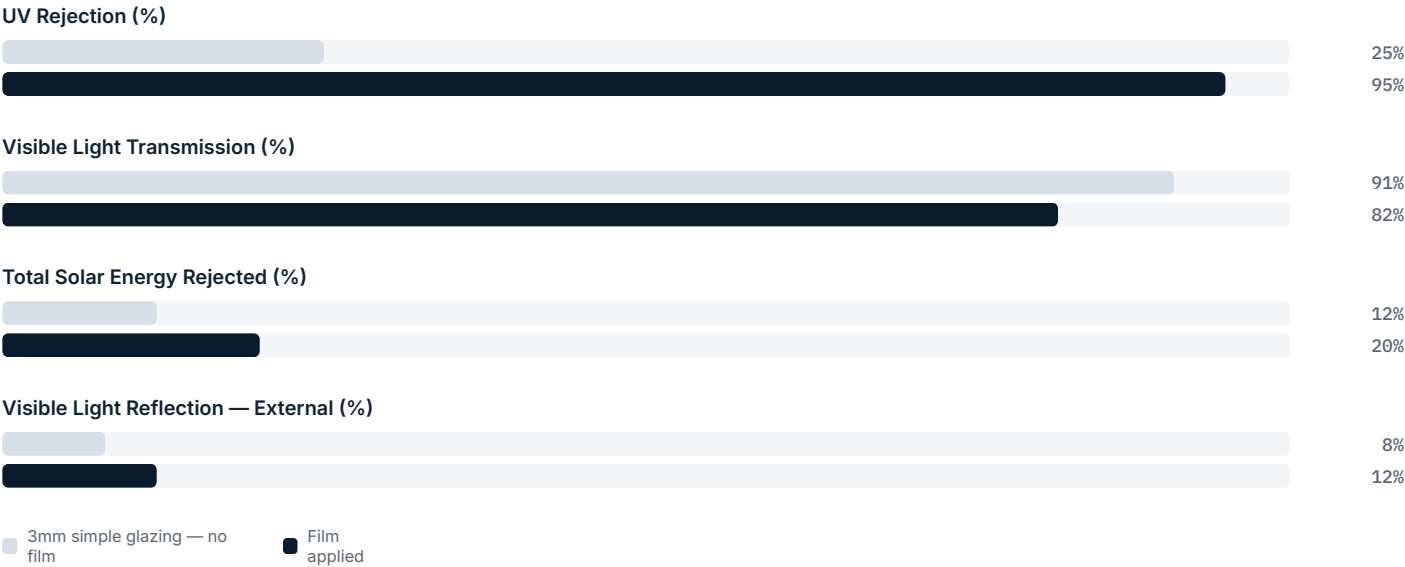
Security - Protection — engineered for professional interior application.

ADVANTAGES

- Rejects 20% of total solar energy
- 95% UV protection
- 82% visible light transmission retained
- 16% glare reduction, improved visual comfort
- Transparent appearance preserves the facade
- Professional interior installation



PERFORMANCE CHARTS — NO FILM VS. FILM APPLIED



CHARACTERISTICS



Warranty
10 years



Storage (recommended conditions)
3 years



EN 12600
1B1



Widths Available
122 cm, 152 cm, 183 cm



Color From the Outside
Transparent



Product Carbon Footprint (LCA)
2.6 kgCO₂e/m²



Fire Resistance Rating
M1



REACH / RoHS
Compliant



EN 356
P2A



Installation Type
Interior



Length
30.5 m

CONSTRUCTION – PET, 310 µm

1. Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
2. 100 µm high optical quality polyester
3. Bonding adhesive
4. 100 µm high optical quality polyester
5. Bonding adhesive
6. 100 µm high optical quality polyester
7. Reinforced PS adhesive to accompany the elasticity of the film in case of impact, polymerizes with glass within 30 days
8. Protection PET release liner, disposable after installation

MECHANICAL PROPERTIES



Tensile Force at Break
61 kg/cm



Elongation at Break
160%

OPTICAL & SOLAR PROPERTIES

PANE TYPE	SINGLE 3MM		DOUBLE LOW-E	
	NO FILM	WITH FILM	NO FILM	WITH FILM
UV Rejection (%)	25	95	40	99
Visible Light Transmission (%)	91	82	82	74
Visible Light Reflection — External (%)	8	12	11	16
Visible Light Reflection — Internal (%)	8	12	12	16
Solar Energy Reflection (%)	5	10	28	24
Solar Energy Absorption (%)	8	9	12	23
Solar Energy Transmission (%)	87	81	60	53
Total Solar Energy Rejected (%)	12	20	35	35
Infrared Rejection, 780–2500 nm (%)	—	—	—	—
Glare Reduction (%)	—	16	—	10
Shading Coefficient	—	0.90	—	1.0
g-value	0.88	0.80	0.65	0.65
U-value (W/m²·°C)	5.8	5.7	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

Safety film with reinforced PS adhesive, requiring a suitable application solution : Slide On (600-F02) or Film On (600-F0355) diluted at 2 cL/L of water, and a suitable safety squeegee (150-054 / 150-055 / 150-056). Do not clean for at least one month or apply stickers/adhesives to the film. Download the installation and maintenance advice



Learn more about FNX and our product catalog.



THERMAL COMFORT



UV PROTECTION



GLARE REDUCTION



ENERGY PERFORMANCE



SUPERIOR AESTHETICS



PROFESSIONAL INSTALL