

INTERIOR

SOLAR CONTROL • ARCHITECTURAL FILM

TOTAL UV 400

Clear Solar Control Film — Interior Application, Anti Discoloration From Outside

Carefully applied to any glazing, the Total UV 400 film completely absorbs ultraviolet rays, but also the light emitted by the sun or the moon up to 420 nm (+ 90%). It therefore greatly reduces aging and discoloration of exposed items or furniture and represents our best protection for shop display cases.

- Rejects 42% of total solar energy for effective heat control
- 100% UV rejection helps protect interiors and furnishings from fading
- Retains 70% visible light transmission
- Optically clear finish, with no visible tint or color shift
- Engineered and certified for professional interior installation

Key Strengths

**100%**

UV Rejection

**70%**Visible Light
Transmission**42%**Total Solar Energy
Rejected**26%**

Glare Reduction

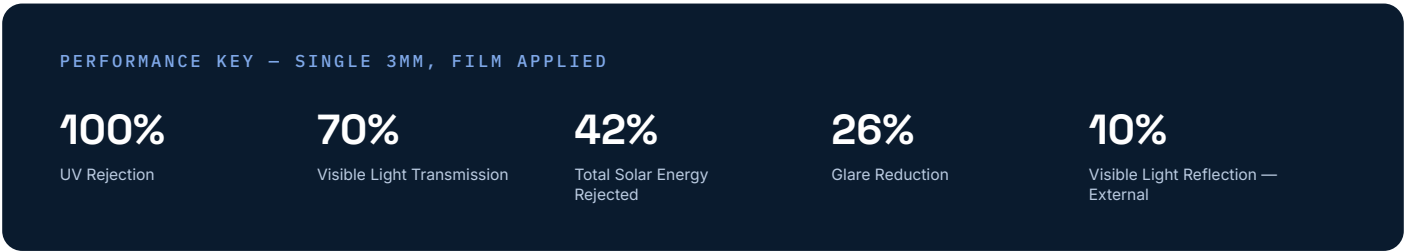
**10%**Visible Light Reflection
— External

Why Choose TOTAL UV 400?

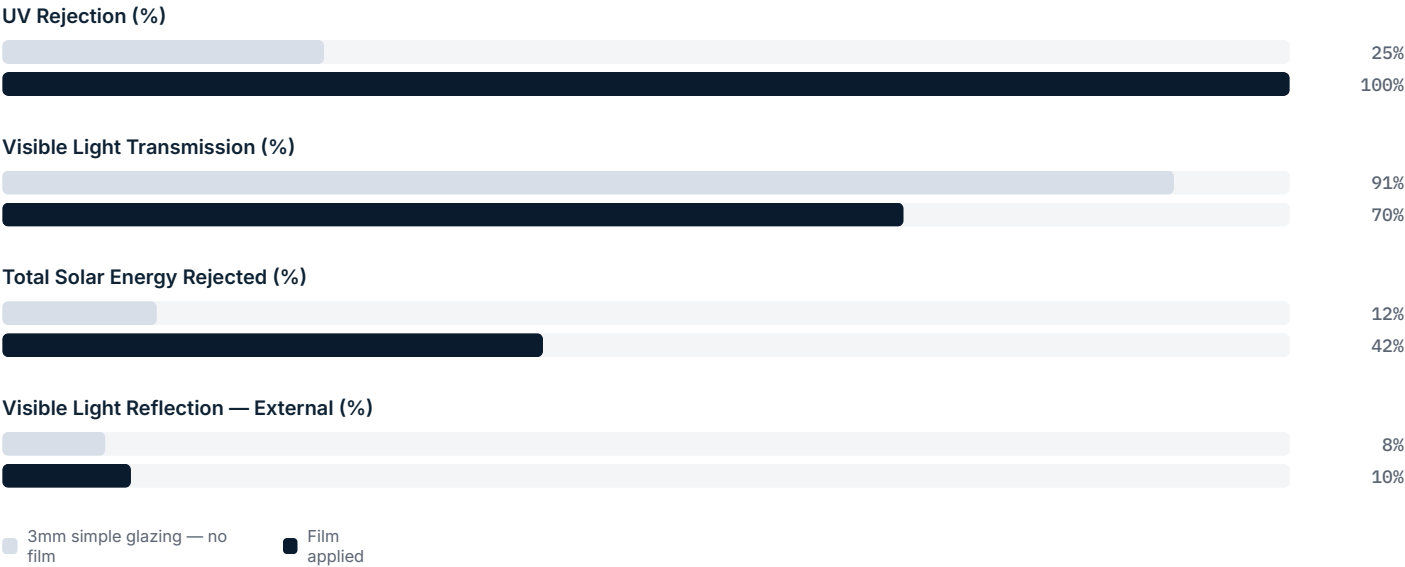
A clear, UV-protective film that blocks damaging rays without altering the glazing's appearance.

ADVANTAGES

- Rejects 42% of total solar energy
- 100% UV protection
- 70% visible light transmission retained
- 26% glare reduction, improved visual comfort
- Optically clear, no visible tint
- Professional interior installation



PERFORMANCE CHARTS — NO FILM VS. FILM APPLIED



CHARACTERISTICS



Warranty
10 years



Fire Resistance Rating
M1



Storage (recommended conditions)
3 years



REACH / RoHS
Compliant



Widths Available
152 cm



Installation Type
Interior



Color From the Outside
Light Grey



Length
30.5 m



Product Carbon Footprint (LCA)
1.56 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
N/A



Carbon Footprint Reduction
N/A



Financial Savings
N/A

OPTICAL & SOLAR PROPERTIES

PANE TYPE	SINGLE 3MM		DOUBLE LOW-E	
	NO FILM	WITH FILM	NO FILM	WITH FILM
UV Rejection (%)	25	100	40	100
Visible Light Transmission (%)	91	70	82	63
Visible Light Reflection — External (%)	8	10	11	15
Visible Light Reflection — Internal (%)	8	11	12	14
Solar Energy Reflection (%)	5	9	28	24
Solar Energy Absorption (%)	8	35	12	40
Solar Energy Transmission (%)	87	56	60	36
Total Solar Energy Rejected (%)	12	42	35	40
Infrared Rejection, 780–2500 nm (%)	—	—	—	—
Glare Reduction (%)	—	26	—	16
Shading Coefficient	—	0.70	—	0.75
g-value	0.88	0.62	0.65	0.65
U-value (W/m²·°C)	5.8	5.6	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	! Caution

✓ 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