

EXTERIOR

SOLAR CONTROL • ARCHITECTURAL FILM

# NATURAL 80 XC

Neutral Solar Control Film — Exterior Application, Neutral From Outside

Natural 80 XC films are highly effective at reducing solar heat gain, whilst at the same time continuing to allow some natural light transmission. They help noticeably reduce solar glare, conveying a touch of colour and customization to the external aspect of a building.

- Rejects 67% of total solar energy for effective heat control
- Retains 20% visible light transmission
- Engineered and certified for professional exterior installation
- 99% UV rejection helps protect interiors and furnishings from fading
- Neutral finish preserves the building's original appearance

## Key Strengths

**99%**

UV Rejection

**20%**Visible Light  
Transmission**67%**Total Solar Energy  
Rejected**78%**

Glare Reduction

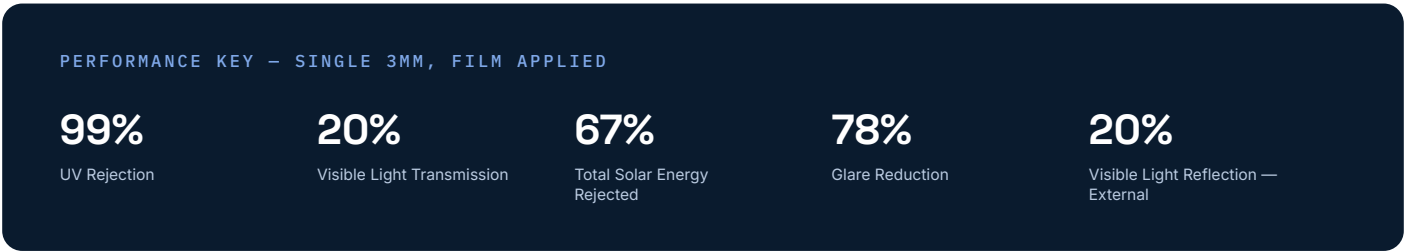
**20%**Visible Light Reflection  
— External

# Why Choose NATURAL 80 XC?

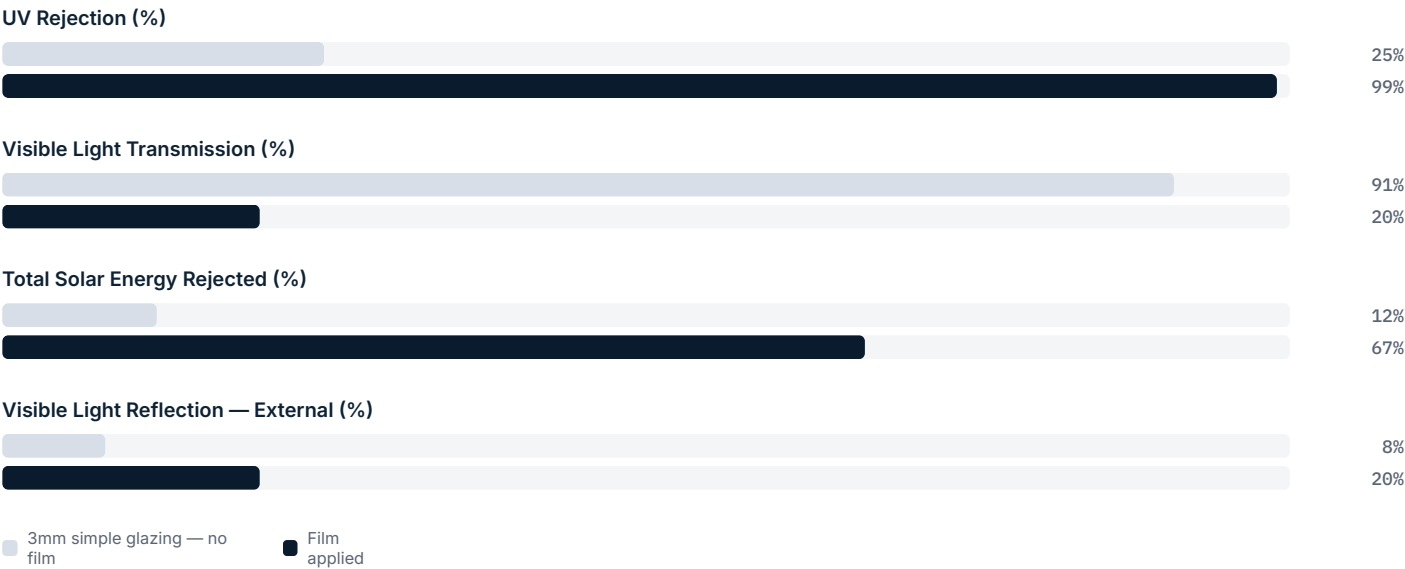
A neutral solar control film that cuts solar heat gain and glare while keeping the glazing's original appearance.

ADVANTAGES

- Rejects 67% of total solar energy
- 99% UV protection
- 20% visible light transmission retained
- 78% glare reduction, improved visual comfort
- Neutral appearance preserves 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



**REACH / RoHS**  
Compliant



**Widths Available**  
122 cm, 152 cm, 183 cm



**Installation Type**  
Exterior



**Color From the Outside**  
Neutral



**Length**  
30.5 m



**Product Carbon Footprint (LCA)**  
1.23 kgCO<sub>2</sub>e/m<sup>2</sup>

CONSTRUCTION – PET, 60 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**  
98.0 kWh/m<sup>2</sup>/yr



**Carbon Footprint Reduction**  
31.0 kgCO<sub>2</sub>/m<sup>2</sup>



**Financial Savings**  
23 €/m<sup>2</sup>/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         | 20        | 82           | 18        |
| Visible Light Reflection — External (%) | 8          | 20        | 11           | 20        |
| Visible Light Reflection — Internal (%) | 8          | 20        | 12           | 20        |
| Solar Energy Reflection (%)             | 5          | 25        | 28           | 26        |
| Solar Energy Absorption (%)             | 8          | 57        | 12           | 62        |
| Solar Energy Transmission (%)           | 87         | 18        | 60           | 12        |
| Total Solar Energy Rejected (%)         | 12         | 67        | 35           | 83        |
| Infrared Rejection, 780–2500 nm (%)     | 16         | 82        | 16           | 89        |
| Glare Reduction (%)                     | —          | 78        | —            | 76        |
| Shading Coefficient                     | —          | 0.38      | —            | 0.2       |
| g-value                                 | 0.88       | 0.33      | 0.65         | 0.17      |
| 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             | ! Caution         |
| Reflective Tinted Single Pane  | ✓ Yes             |
| Clear Double Pane              | ✓ Yes             |
| Tinted Double Pane             | ! Caution         |
| Reflective Tinted Double Pane  | ✓ Yes             |
| Gas-Filled Double Pane - Low E | ! Caution         |
| Stadip Ext. Clear Double Pane  | × Not recommended |
| 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