

TechnoFilm™ HWF

Heat Control Window Film

PRODUCT DESCRIPTION

TechnoFilm™ HWF is a silver reflective solar heat control window film designed to reduce solar heat gain and infrared radiation through glass surfaces. By forming a heat-control layer on the glass, the film helps reduce the amount of solar energy entering the interior environment and contributes to improved indoor thermal comfort.

The film is engineered to provide solar heat control while reducing the transmission of UV and infrared radiation. Its silver reflective appearance also helps reduce direct solar radiation and glare, making it a suitable solution for buildings exposed to intense sunlight.

TechnoFilm™ HWF is suitable for residential, commercial and office buildings, as well as architectural projects with large glazed areas where solar heat and glare control are important.



TECHNICAL DATA

Product Name	TechnoFilm™ HWF
Type	Heat Control Window Film
Color	Silver
Appearance	Reflective
Available Thicknesses	50 µm
UV Rejection	87%
IR Rejection	95%
Visible Light Transmission (VLT)	6.8%
Main Function	Solar Heat and Radiation Control
Application Surface	Glass
Expected Service Life After Installation	Up to 10 years
Storage Temperature Range	5–25°C

ADVANTAGES

- Reduces solar heat gain
- 95% infrared rejection
- 87% UV rejection
- Helps reduce direct solar radiation
- Helps reduce glare



- Improves indoor thermal comfort
- Reduces solar heat entering interior spaces
- Provides a modern silver reflective appearance
- Suitable for large glazed surfaces
- Suitable for residential and commercial buildings
- Helps protect interior spaces from solar radiation
- Suitable for architectural glazing and glass façades

Applications

- Office buildings
- Commercial buildings
- Shopping centers
- Retail stores
- Hotels
- Residential buildings
- Villas
- Workspaces
- Glass façades
- Large windows
- Skylights and glazed areas exposed to direct sunlight

Installation Procedure

The glass surface is thoroughly cleaned and dried before installation. The film is cut according to the glass dimensions and applied using a suitable installation solution. After accurate positioning, trapped water and air are removed using appropriate installation tools. The edges are then trimmed and the surface is inspected for adhesion, bubbles, wrinkles, and overall installation quality.

After installation, the film should be allowed to stabilize for at least 24–48 hours under suitable conditions.

Packaging

- Roll Length: 50 m
- Available Widths: 1.52 m

