



# HIGH PERFORMANCE WINDOW FILMS

~PROVIDING SECURITY & COMFORT~

## SAFETY & SECURITY FILM

175 Micron - Clear

### Enhanced Glass Safety & Protection

High Performance Window Films' **175-Micron Clear Safety Film** is designed to **reinforce glass** by increasing its resistance to breakage and **holding dangerous shards in place** when breakage does occur. This makes it ideal for **workplaces, commercial spaces, and residential applications** where safety and compliance with regulations are required.

Tested and certified to **EN 12600 Class 1B1**, this film helps organisations meet **government guidelines for bomb blast protection** and provides enhanced **security against forced entry and vandalism**. It serves as an effective deterrent against **smash-and-grab crimes and graffiti etching**.

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### ★ FEATURES & BENEFITS

#### ◆ Key Features:

- ✓ High optical clarity
- ✓ Quick, retro-fit installation
- ✓ Blocks harmful UV rays

#### ☀ Key Benefits:

- ✓ **Virtually invisible** once applied, maintaining a clear glass appearance
- ✓ Ideal for **retrofitting existing glass**, avoiding costly replacements
- ✓ Suitable for **most non-abrasive window-cleaning methods**
- ✓ Reduces **fading of interior furnishings** caused by UV exposure
- ✓ Enhances security by mitigating risks of **forced entry and vandalism**

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## 🔍 Where to Use:

-  **Commercial & Office Buildings** – Enhance safety and comply with workplace regulations.
-  **Residential Homes** – Protect windows and glass doors from accidental breakage.
-  **Healthcare Facilities** – Improve patient and staff safety in glazed areas.
-  **Retail Spaces** – Deter smash-and-grab crimes and vandalism.

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## 📊 PERFORMANCE DATA

Property	Value
<b>Solar Energy Transmitted</b>	77%
<b>Solar Energy Reflected</b>	9%
<b>Solar Energy Absorbed</b>	14%
<b>Visible Light Transmitted</b>	87%
<b>Visible Light Reflected (Interior)</b>	11%
<b>Visible Light Reflected (Exterior)</b>	11%
<b>UV Rejection</b>	98%
<b>Glare Reduction</b>	1%
<b>Shading Coefficient</b>	0.92
<b>Solar Heat Gain Coefficient (G-Value)</b>	0.80
<b>U-Value (W/m<sup>2</sup>K)</b>	6.07
<b>Total Solar Energy Rejected</b>	20%
<b>Product Warranty (Internal)</b>	10 years

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## PHYSICAL PROPERTIES

Property	Value
Description	Clear
Film Thickness	175-Microns (7-thou)
Structure	Single Ply
Tensile Strength	28,500 PSI
Break Strength	178 Pounds per Inch (width)
Adhesive Type	Acrylic Pressure Sensitive
Peel Strength	6 to 7 Pounds per Inch

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## Installation & Compliance

- Designed for **interior application** on glass surfaces
- Meets **EN 12600 Class 1B1** for safety compliance
- Helps organisations comply with **bomb blast protection guidelines**
- Exterior grade version available**

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 **GET A FREE CONSULTATION TODAY!** Speak with one of our specialists to **find the perfect safety and security film for your space.**

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 *Enhance security and glass protection today with High Performance Window Films' **safety and security solutions!***