



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**.

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.



PERFORMANCE DATA

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



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 |

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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🌐 www.hpwf.co.uk

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