



# HIGH PERFORMANCE WINDOW FILMS

~PROVIDING SECURITY & COMFORT~

## SAFETY & SECURITY FILM

100 Micron - Clear

### Enhanced Glass Safety & Protection

High Performance Window Films' **100-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.

Certified to **EN 12600 Class 2B2**, this film helps organisations meet **Regulation 14 of the Workplace (Health, Safety and Welfare) Regulations 1992**, ensuring low-level glazing is upgraded for **enhanced safety and security**. Additionally, it serves as a deterrent to **forced entry, smash-and-grab crimes, and vandalism**.

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## FEATURES & BENEFITS


### ◆ Key Features:


- ✓ High optical clarity
- ✓ Quick, retro-fit installation
- ✓ Helps hold shattered glass together
- ✓ 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
Solar Energy Transmitted	78%
Solar Energy Reflected	9%
Solar Energy Absorbed	13%
Visible Light Transmitted	88%
Visible Light Reflected (Interior)	10%
Visible Light Reflected (Exterior)	10%
UV Rejection	98%
Glare Reduction	0%
Shading Coefficient	0.93
Solar Heat Gain Coefficient (G-Value)	0.81
U-Value (W/m <sup>2</sup> K)	6.08
Total Solar Energy Rejected	19%
Product Warranty (Internal)	10 years

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## PHYSICAL PROPERTIES

Property	Value
Description	Clear
Film Thickness	100-Microns (4-thou)
Structure	Single Ply
Tensile Strength	28,500 PSI
Break Strength	110 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 2B2** for safety compliance
  - ✓ Helps organisations comply with **Regulation 14 of Workplace Health & Safety**
  - ✓ **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.**

✉ [info@hpwf.co.uk](mailto:info@hpwf.co.uk)

☎ 01992 611915

🌐 [www.hpwf.co.uk](http://www.hpwf.co.uk)

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