



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**.

★ 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**

🔍 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	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/m²K)	6.08
Total Solar Energy Rejected	19%
Product Warranty (Internal)	10 years



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

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**

 **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!***