

PRODUCT DESCRIPTION

Safety Window Film (SaWF™) is a specialized, multi-layer polyester film designed to enhance the safety performance of standard glazing. By forming a durable protective layer on the glass surface, it helps retain glass fragments upon breakage, thereby reducing the risk of injury caused by accidental impact, seismic vibration, or attempts of low-level forced entry (burglary). The film is easy to apply without the need for glass replacement and is compatible with both flat and curved glass surfaces. As a cost-effective and practical safety solution, it is widely used in residential, office, educational, commercial, and public buildings to minimize hazards associated with broken glass.

PRODUCT FEATURES

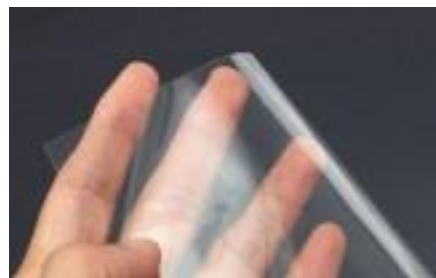
- Multi-layer construction with high tensile strength
- High impact resistance for added protection
- Optical clarity with minimal visual distortion
- Pressure-sensitive adhesive for bubble-free
- Retains glass fragments, prevents shattering
- UV-resistant layer blocks 99% ultraviolet radiation
- Scratch-resistant hard coat extends durability
- Compatible with flat and curved glass
- Thin, lightweight without adding bulkiness
- Enhances resistance to forced entry vandalism
- Available in 50, 100, 150 microns thickness

PRODUCT USES

Safety Window Film (SaWF™) enhances glass safety and security across various settings. Ideal for homes, offices, and retail spaces, it protects against accidental breakage, vandalism, and break-ins. It also improves safety in schools and public buildings like hospitals and airports. Suitable for seismic areas, SaWF™ reduces glass shattering during earthquakes. Compatible with flat and curved glass, it offers an effective, affordable solution for safer environments.

TECHNICAL DATA & PHYSICAL PROPERTIES

Film Thickness	50 to 150 microns (equivalent to 2 to 6 mil)
Color	Clear
Scratch Resistance	Yes
Shelf Life	1 to 2 years in storage / up to 10 years after installation
Storage Conditions	5°C to 25°C, away from moisture and direct sunlight
Application Compatibility	Suitable for installation on all types of glass; professional or semi-professional installation is recommended.
Adhesive Type	Pressure-Sensitive Adhesive (PSA)
UV Resistance	Blocks up to 99% of UV radiation
Tensile Strength	20 to 40 MPa
Break Strength	Approximately 600 to 1000 N/m
Elongation at Break	80% to 200%
Peel Strength	12 to 25 N/cm



Safety Window Film - SaWF™

HOW TO USE

SURFACE PREPARATION

Before application, thoroughly clean the glass surface using a suitable glass cleaner to remove dust, grease, and contaminants. Ensure the surface is completely dry and free from any residues to achieve optimal adhesion.

CUTTING

Measure the glass dimensions accurately and cut the Safety Window Film (SaWF™) slightly larger than the glass size. Use a sharp utility knife or film cutter for clean, precise edges.

APPLICATION

Spray the glass surface with a mixture of water and a few drops of mild detergent to facilitate film positioning. Peel off the film backing carefully, apply the film onto the wet glass, and use a squeegee to remove air bubbles and excess water, working from the center outwards. Trim excess film for a perfect fit. Allow the film to cure for 24-48 hours before cleaning or exposure to heavy use.

STORAGE

Store Safety Window Film (SaWF™) in a cool, dry place away from direct sunlight and excessive humidity. Ideal storage temperature ranges between 5°C and 25°C (41°F to 77°F). Keep the film in its original packaging until ready for use to prevent dust and dirt contamination. Avoid exposure to extreme temperatures or rapid temperature changes, as these may affect the adhesive properties and film performance. Proper storage ensures a shelf life of 1 to 2 years before installation.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.