

Tested to Protect Against:



Accidental Breakage



Natural Disasters



Forced Entry



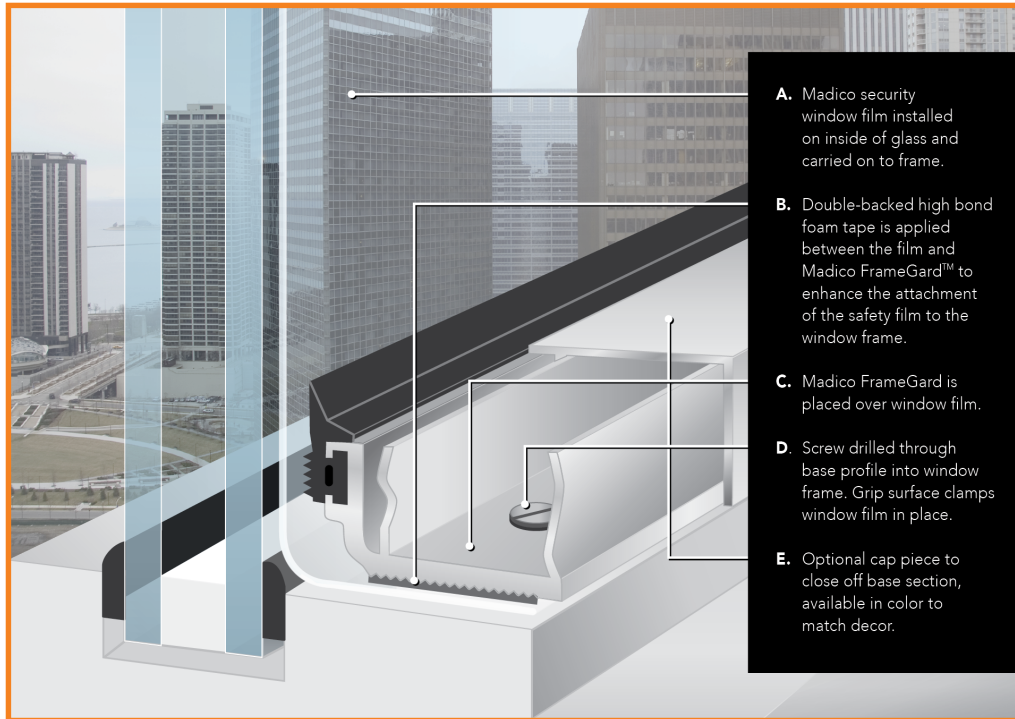
Acts of Terrorism



School Threats

The FrameGard Anchoring System is Madico's patented mechanical attachment system designed to integrate with SafetyShield films anchoring directly to the window frame, delivering elevated levels of blast-mitigation, glass retention, and forced-entry protection. It is specifically engineered to keep treated glass within the frame when an incident has occurred. This system improves and extends the principle of edge battening by incorporating a specific movement zone (patent applies) which allows the film to move under applied load without putting excessive force onto the fixings and frame.

FrameGard is available in three gasket sizes, allowing the system to be fitted onto most commercial frames. Additionally, the decorative cap is available in both clear and bronze anodized options, allowing FrameGard to visually blend into the existing framing system.



What FrameGard Does:

- Mechanically fastens SafetyShield films to the frames
- Patented movement zone allows the system to absorb load and impact without tearing the film
- Can prevent glass from exiting the window opening
- Requires SafetyShield film - FrameGard is an anchoring system, not the film itself.

Test Data

| Film | Test | Condition | Result |
|--|----------------------------------|--|----------------------|
| Standard ASTM F 1642 / F 2912 Blast Mitigation | | | |
| SafetyShield G2 800 | Mechanical (4 side FrameGard) | 6psi / 42psi*ms 41 kPa / 290 kPa*ms | H3 - Very Low Hazard |
| SafetyShield G2 1500 | Mechanical (4 side FrameGard) | 7psi / 53psi*msec 48 kPa / 365 kPa*ms | H2 - Minimal Hazard |

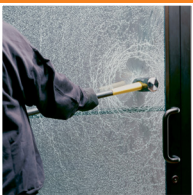
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How FrameGard Compares to Other Attachment Methods

| Attachment System | How it Works | Performance Level | Applications |
|--------------------|--|--|--|
| Daylight film only | Film stops at window gasket | Lowest – Glass can exit the frame | <ul style="list-style-type: none"> • Safety Glazing, • Blast Mitigation |
| GullWing® | Flexible VHB tape system bonds film to glass | Moderate – Glass held within the frame up to the performance of the attachment | <ul style="list-style-type: none"> • Blast Mitigation • Intrusion resistance • School Safety • Natural Disaster Mitigation • Asset Protection |
| Wet Glaze | Structural silicone bonds film to glass | | |
| FrameGard | Mechanical fastening system with movement zone | Highest – Glass held within the frame up to the capacity of the film | |

Specification Use Statement

Reported values are typical properties and should not be used as a specification. Since the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for intended use. If you need verification regarding specific use or additional information, please contact Madico Window Films or your local Madico Authorized Dealer. Since there can be variations in published data between printed materials, please visit madico.com for the latest reported performance measurements.

FrameGard Components

| Base and Cap | Length | Finish | Description |
|----------------------------------|---|--------------------------|--|
| Base | 8 foot | Mill | Base mechanical attachment, Aluminum Alloy 6063, predrilled every three inches |
| Decorative Cap | 8 or 12 foot | Clear or Bronze Anodized | Decorative Cap, Aluminum Alloy 6063 |
| Gasket | Length | Width | Description |
| Standard | 250 foot roll | ~3/16 inch | EPDM Gasket |
| Large | 150 foot roll | ~9/16 inch | EPDM Gasket |
| Small | 250 foot roll | ~1/16 inch | EPDM Gasket |
| Tape | Length | Width | Description |
| 1" Double Sided Foam Tape | 300 foot roll | 1 inch | Double sided closed cell copolymer, polyethylene foam coated with an aggressive acrylic adhesive |
| Screws | Quantity | Length | Description |
| 1/4" (#14) Self Tapping Tek Head | Available in cases up to 2500 per case. Contact your local hardware or Fastenal Store | Varies by project | Type: Self-Drilling Screw Dia/Thread: 1/4"-14 Material: Steel Head Type: Hex Washer Point Type: #3 |

Madico has been at the forefront of glass and window safety for decades. Our systems are the most strenuously tested and designed in the industry and meet or surpass more government and international safety requirements than the competition. Our network of certified SafetyShield Premier Partners work closely with you to determine your risk level select the system that best fits your needs. To learn more, visit www.safetyshield.com.