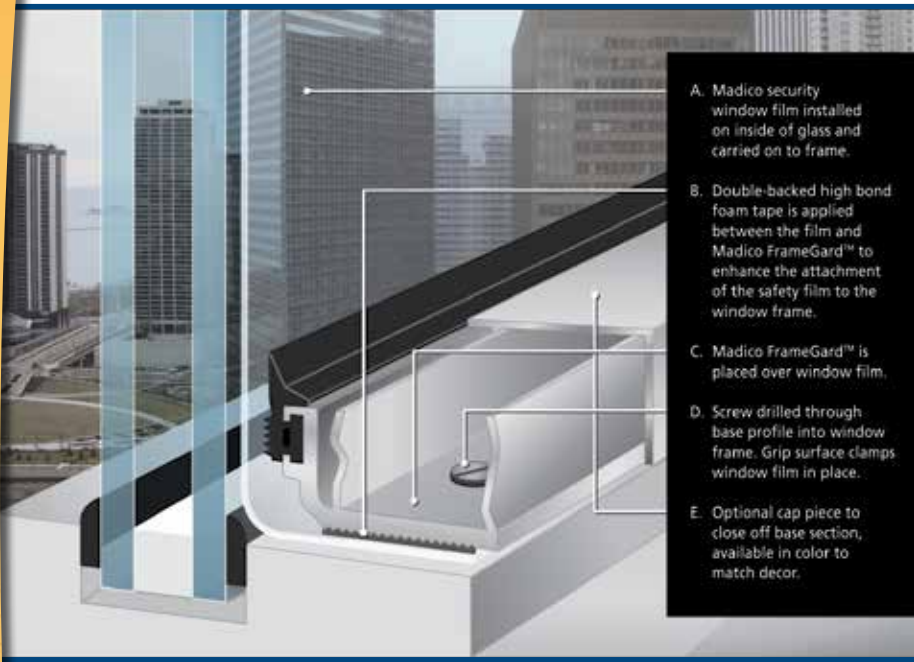


MADICO® SAFETYSHIELD®

FRAMEGARD™ ANCHORING SYSTEM

The FrameGard Anchoing System has been specifically engineered to keep treated glass within the frame when an incident has occurred. It is a “mechanical” attachment system that clamps the filmed glass to the window frame. 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. The benefit of FrameGard is that it allows engineers and installers to precisely determine torque settings for each individual installation, creating a truly custom solution.



- A. Madico security window film installed on inside of glass and carried on to frame.
- B. Double-backed high bond foam tape is applied between the film and Madico FrameGard™ to enhance the attachment of the safety film to the window frame.
- C. Madico FrameGard™ is placed over window film.
- D. Screw drilled through base profile into window frame. Grip surface clamps window film in place.
- E. Optional cap piece to close off base section, available in color to match decor.

Madico FrameGard secures the film tightly in place to the window frame.



Blast impact shatters external glass and drives it against the inner pane.



Madico FrameGard movement zone absorbs energy by allowing window film to stretch. Radiused edge prevents cutting of film. Gripped surface clamps film in place.

Certified Performance:

Blast Mitigation

Attachment System	GSA Performance Condition
4 Side FrameGard2
2 Side FrameGard2
Day Light (No Attachment)3B

Note: 4 side FrameGard was subjected to GSA category C blast loads, 4psi -30psi/ms minimum on 1/4" annealed glass. By ABS/EQE International and Grendon Design Agency.

SafetyShield 800 with 4 side FrameGard received a GSA Category 2 when subjected to 9.19 PSI and 64.53 PSI/ms, and a Category 3B when subjected to 12.78 PSI and 78.79 PSI/ms blast loads. These loads far surpass the GSA criteria of 4 PSI and 28 PSI/ms.

For decades, Madico Window Films has been at the forefront of glass and window safety. 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.

We offer several patented and proprietary anchoring systems that work in conjunction with the application of our SafetyShield window films. A variety of systems are offered to ensure we meet the required level of security specified and to best fit the glazing system. Our network of certified Premier Partners will work closely with you to determine your unique risk level and to select the system that best fits your needs. To learn more, visit www.msppglobal.com.

Reported values are typical properties and should not be used as a specification. Since only 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 that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information of any sort, contact Madico or your local Madico window film dealer.

All information reported to the best of our knowledge. Independent test results available upon request.



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WHEREVER THERE IS GLASS, WE CAN *improve* IT.