

MADICO® SAFETYSHIELD® 800

Test Data:

Impact

ANSI Z-97.1 Unlimited
 CPSC 16 CFR Part 1201 Category II

Hurricane

ASTM E-1886/E-1996 Large Missile Impact
 Category B

Wind Storm +/-100 psf
Tested on 3/16" tempered patio door with silicone wet glaze attachment to ASTM E-1886/E-1996.

Blast Mitigation

Attachment System *GSA Performance Condition*
 4 Side FrameGard® 2*
 2 Side FrameGard 2
 4 Side Structural Silicone Bead 3A
 Day Light (No Attachment) 3B
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.*

Accelerated Weathering

Miami/Dade Criteria, 4500 hours
 Xenon Arc Per: ASTM G26-95 Pass

Puncture Strength

ASTM D-4830-88 129 lbs.

Tear Strength

ASTM D-1004 >18 lbf.
 ASTM D-2582 33.016 Average Tear Force (Newtons)

Surface Burn Characteristics: ASTM E-84

Flame Spread Index "A" Rating
 Smoke Developed Index "A" Rating

Ignition Properties: ASTM-D-1926-96

Flash Ignition Temp. 760°F
 Self-Ignition Temp. 880°F

Properties:

Optical Properties

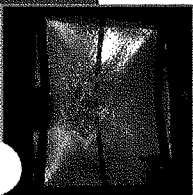
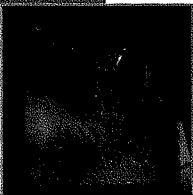
Total Solar Energy
 Transmitted
 Reflected
 Absorbed

Visible Light
 Transmitted
 Reflected Interior
 Reflected Exterior

"U" Factor
 Ultraviolet Light Rejected
 Shading Coefficient
 Solar Heat Gain Coefficient
 Total Solar Energy Rejected

Physical Properties

Structural Component
 Film Thickness
 Structure Multiply
 Tensile Strength . . . 32,000 PSI Average
 Break Strength 240 lbs./inch (W
 Adhesive Type Acrylic Pressure
 Peel Strength 5 to 6



Top: A category C blast load, 4psi 30psi/ms is detonated.

Middle: Shock wave breaking untreated window. Glass fragments are blown into the building creating a deadly hazard.

Bottom: Shock wave hitting treated window with SafetyShield 800 and four-sided FrameGard attachment system. Performs to GSA conditions 2.



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 Charter member of the International Window Film Association (IWFA)

WHEREVER THERE IS GLASS, WE CAN *im* PROTECT IT

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