

SafetyShield 1500

Test Data:

Impact:

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

Blast Performance/GSA Criteria:

Pressure/Impulse	Performance Condition
12.78 PSI/78.79 PSI-ms	3A
9.0 PSI/72.8 PSI-ms	3B

Anti-Intrusion/Security Glazing:

UL-972 / ULC-332. Certified
EN-356 Category P2A
DIN-52,290 Category A1
Meets or exceeds Anti-Intrusion Safety Glazing Standards in North America and Europe.

Puncture & Tear Strength:

ASTM D-2582 . . .108.6N Average Tear Force (Newtons)

Surface Burn Characteristics ASTM E-84:

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

Ignition Properties ASTM D-1929-96:

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

Properties:

Visible Light:

Transmitted % 85.0
Reflected Exterior % 10.0
Reflected Interior % 10.0
Glare Reduction % 4.0

Total Solar Energy:

Transmitted % 71.0
Reflected % 8.0
Absorbed % 21.0

Shading Coefficient 0.89
Solar Heat Gain Coefficient 0.78
U Factor. 1.04
Ultraviolet Rejection % Exceeds 99.0
Emissivity. 0.90
Light to Solar Gain 1.10
Total Solar Energy Rejection % 22.0
Infrared Rejection %* 41.0
Infrared Energy Rejection % 27.0

Physical Properties:

Film Thickness 0.017"
Structural Component 0.015"
Structure Multi-Ply Laminate
Adhesive Type Acrylic Pressure Sensitive
Long. Tensile Strength . . . 28,000 PSI Avg. MD/TD
Traverse Tensile Strength . 36,000 PSI Avg. MD/TD
Break Strength 450 Pounds Per Inch (Width)
Longitudinal Elongation at Break 150%
Traverse Elongation at Break 100%
Yield Strength 14,000 PSI Avg. MD/TD
Elongation at Yield. 120%
Peel Strength 5 to 6 Pounds Per Inch

Read in accordance with National Fenestration Rating Council (NFRC) standards on 6mm clear glass.

* Near IR range (780-2500nm)
Technical specification definitions can be found at www.safetyshield.com.



Top: Annealed Glass Filmed with SafetyShield 1500.

Middle: A category D blast load, 2500 pounds High Explosive is detonated.

Bottom: Shock wave impacting treated window with SafetyShield 1500 and 4 side FrameGard® anchoring system.

Protected by Madico
SafetyShield 1500
UL Certified Anti-Intrusion System.



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.



The Clear Choice for Safety Glazing Systems

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