

MADICO® SAFETYSHIELD® 1500

Test Data:

Blast Performance/GSA Criteria

| <i>Pressure/Impulse</i> | <i>Performance Condition</i> |
|----------------------------------|------------------------------|
| 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 102.2 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



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

Properties:

Optical Properties

Total Solar Energy

| | |
|-----------------------|------|
| Transmitted | .82% |
| Reflected | .10% |
| Absorbed | 8% |

Visible Light

| | |
|------------------------------|------|
| Transmitted | .88% |
| Reflected Interior | .10% |
| Reflected Exterior | .10% |

"U" Factor (winter) 1.09

| | |
|---------------------------------------|------|
| Ultraviolet Light Rejected | .99% |
| Shading Coefficient | .097 |
| Solar Heat Gain Coefficient | .084 |
| Total Solar Energy Rejected | .15% |

Physical Properties

| | |
|----------------------------|-----------------------|
| Film Thickness | 0.015" |
| Structure | Multiply Laminate |
| Tensile Strength | 32,000 PSI |
| Break Strength | 450 lbs./inch (Width) |
| Adhesive Type | Acrylic PSA |
| Peel Strength | 5 to 6 lbs./inch |

MADICO® Window Films

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 Charter member of the IWFA

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.



Top: Annealed Glass
 Filmed with Safety-
 Shield 1500.

Middle: A category
 D blast load, 2500
 pounds High Explo-
 sive is detonated.

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

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

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