

# PRODUCT DATA SHEET



## SAFETYSHIELD® 800 DG 45 SECURITY FILM

MODEL#: 0-FLM-SFS-1004

PRODUCT LINE: SECURITY FILM

### DESCRIPTION

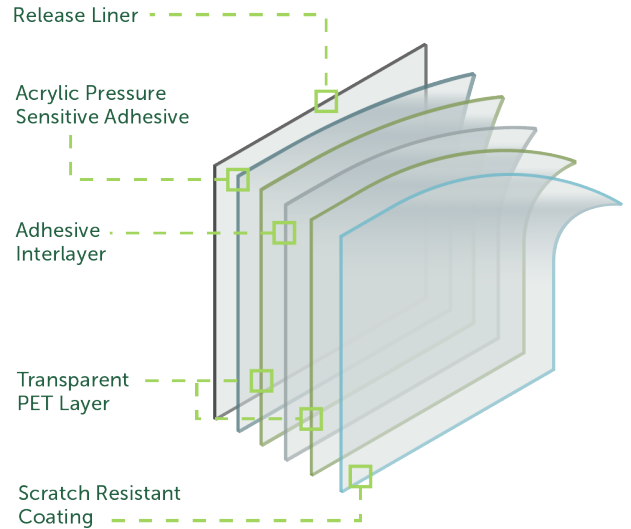
SafetyShield safety and security films deliver robust, around-the-clock protection against forced intrusion, vandalism, severe weather, and accidents involving broken glass. These advanced films, combined with secure attachment systems, are designed to strengthen glass against impact and delay or deter intrusions, providing an essential barrier in critical moments. SafetyShield also offers blast mitigation capabilities, adding a layer of defense in high-risk situations. Beyond security, SafetyShield reduces harmful UV exposure, helping to preserve furnishings and interiors.

### RATINGS

- ANSI Z97.1 - Unlimited
- CPSC 16 CFR Part 1201 - Category II
- GSA-TS01-2003 - 3A, 3B
  - Subject to Category C: 4 PSI, 30 psi/ms
- ASTM E1886/E1996 Large Missile Impact - Category B
- ASTM D4830-88 (Puncture Strength) - 129 lbs
- ASTM E84 (Surface Burn) - "A" Rating

### STANDARDS

- ANSI Z97.1 Safety Glazing Materials Used in Buildings
- CPSC 16 CFR Part 1201 Safety Standard for Architectural Glazing Materials
- GSA-TS01-2003 Standard Test Method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings
- ASTM E1886 Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
- ASTM E1996 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
- ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials



### PROPERTIES

Film Thickness	0.010"
Structural Component	0.0085" (8 mil)
Longitudinal Tensile Strength	28,000 PSI
Traverse Tensile Strength	36,000 PSI
Yield Strength	14,000 PSI
Traverse Elongation at Break	100%
Longitudinal Elongation at Break	150%
Elongation at Yield	120%
Break Strength	240 Pounds Per Inch
Peel Strength	5 to 6 Pounds Per Inch
Visible Light Transmitted	43%
Reflected Exterior	14%
Reflected Interior	17%
Glare Reduction	51%
Solar Heat Gain Coefficient	0.49
U Factor	0.95
Ultraviolet Rejection	Exceeds 99%
Total Solar Energy Rejection	51%

This product is manufactured in partnership with Madico Inc.