# SAFETYSHIELD

BY MADICO

SafetyShield safety & security films provide 24-hour protection against vandalism, severe weather and accidents involving broken glass. SafetyShield also reduces unwanted UV exposure and fading of furnishings.

#### **Product Benefits**

- Invisible Protection
- Multi-Ply Construction
- Holds Broken Glass Together
- Rejects over 99% of UV Rays
- Reduces Fading of Fabrics, Flooring

Why SafetyShield®? SafetyShield films and attachment systems help protect against intrusion and provide blast mitigation in a variety of situations. Safetyshield products are tested under extreme conditions and are engineered to meet your high performance security needs. With over 100 years of innovation, Madico is a leading provider of professionally installed, quality products.

#### **About Madico**

Headquartered in Tampa Bay, Florida, Madico, Inc. innovates, manufactures, and distributes a broad range of protective, functional and decorative materials-based solutions including films, coatings and laminates for various industries worldwide from automotive and architecture to healthcare and aerospace. Since 1903, Madico has pioneered industry-first products with an unrivaled commitment to quality and dedication to its customers. Madico is a fully-owned subsidiary of Lintec USA Holdings, Inc. For more information, visit www.madico.com.





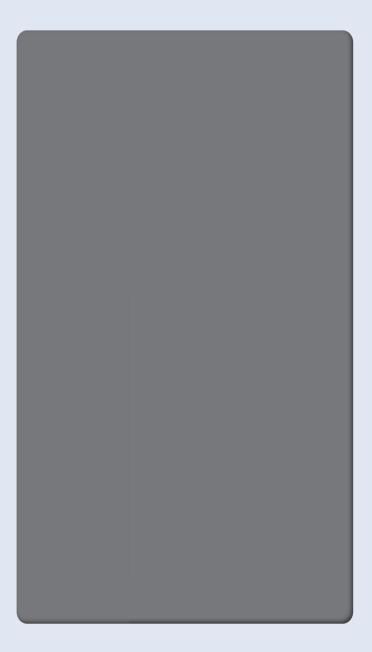




SafetyShield 800 DG 35







## SafetyShield 800 DG 35

### Performance Measurements

#### Visible Light:

Transmitted	36%
Reflected Exterior	15%
Reflected Interior	22%
Glare Reduction	60%
Total Solar Energy:	
Transmitted	28%
Reflected	15%

Absorbed	57%
Shading Coefficient	O E1
Shading Coefficient	
Solar Heat Gain Coefficient	
U Factor	0.96
Ultraviolet Rejection	.Exceeds 99%
Emissivity	0.73
Light to Solar Gain	0.80
Total Solar Energy Rejection	55%
Infrared Rejection*	82%
Infrared Energy Rejection	59%

#### **Physical Properties:**

Film Thickness	
Structure Multi-Ply Lami	nate
Adhesive TypeAcrylic Pressure Sens	
Long. Tensile Strength28,000	) PSI
Traverse Tensile Strength36,000	) PSI
Break Strength 240 Pounds Per Inch (W	idth)
Long. Elongation at Break1	50%
Traverse Elongation at Break1	00%
Yield Strength14,000 PSI Avg. MD	D/TD
Elongation at Yield1	20%
Peel Strength 5 to 6 Pounds Per Inch (W	idth)

<sup>\*</sup> Near IR range (780-2500nm)

Performance measurement definitions can be found at www.madico.com

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

Independent test reports available upon request

#### SafetyShield 800 DG 35 Performance on Installed Windows as Certified by the National Fenestration Rating Council (NFRC)

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Туре	Default Glazing Reference	SHGC without Film	SHGC With Film	VLT Without Film	VLT With Film	U Factor
Residential	3 mm (1/8in.) clear	0.72	0.38	0.74	0.29	1.03
Residential <sup>†</sup>	3 mm (1/8in.) clear 3 mm (1/8in.) clear	0.64	0.44	0.67	0.27	0.69
Non Residential	6 mm (1/4in.) clear	0.73	0.40	0.78	0.31	0.97
Non Residential	6 mm (1/4in.) grey	0.52	0.35	0.39	0.15	0.97
Non Residential <sup>†</sup>	6 mm (1/4in.) clear 6 mm (1/4in.) clear	0.63	0.47	0.69	0.28	0.57
Non Residential <sup>†</sup>	6 mm (1/4in.) grey 6 mm (1/4in.) clear	0.41	0.33	0.35	0.14	0.57

<sup>†</sup> Dual pane window

Specification Use Statement
Reported values are typical properties and should not be used as a specification. Since 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 intended use. If you need verification regarding specific use or additional information, please contact Madico Window Films or your local Madico Authorized Dealer. Since there can be variations in published data between printed materials, please visit madico.com for the latest reported performance measurements.