

## SafetyShield 800

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.*

[www.safetyshield.com](http://www.safetyshield.com)



# SafetyShield 800

## Technical Specifications

### Total Solar Energy:

Transmitted % .....	80.0
Reflected % .....	9.0
Absorbed % .....	11.0

### Visible Light:

Transmitted % .....	88.0
Reflected Exterior % .....	10.0
Reflected Interior % .....	10.0
Glare Reduction % .....	2.0

Solar Heat Gain Coefficient.....	0.84
Shading Coefficient .....	0.96
Luminous Efficacy .....	0.91
Total Solar Energy Rejection % .....	16.0
Infrared Rejection %* .....	26.0

U Factor.....	1.07
Emissivity.....	0.90
Ultraviolet Rejection % .....	Exceeds 99.0

### Physical Properties:

Film Thickness.....	0.0095"
Structural Component .....	0.008"
Structure.....	Multi-Ply Laminate
Adhesive Type .....	Acrylic Pressure Sensitive
Tensile Strength♦ .....	32,000 PSI Avg. MD/TD
Break Strength♦ .....	240 Pounds Per Inch (Width)
Peel Strength♦ .....	5 to 6 Pounds Per Inch
Elongation at Break.....	150% MD/100% TD

Read in accordance with National Fenestration Rating Council (NFRC) standards on 3mm clear glass.

\* Near IR range (780-2500nm)

Technical specification definitions can be found at [www.madico.com](http://www.madico.com)

♦ Independent test reports available upon request.

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

Type	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	0.69	0.74	0.72	1.10
Residential†	3 mm (1/8in.) clear 3 mm (1/8in.) clear	0.64	0.63	0.67	0.65	0.71
Non Residential	6 mm (1/4in.) clear	0.73	0.71	0.78	0.76	1.03
Non Residential	6 mm (1/4in.) grey	0.52	0.52	0.39	0.38	1.03
Non Residential†	6 mm (1/4in.) clear 6 mm (1/4in.) clear	0.63	0.62	0.69	0.68	0.60
Non Residential†	6 mm (1/4in.) grey 6 mm (1/4in.) clear	0.41	0.41	0.35	0.34	0.60

† 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.