

SAFETYSHIELD®

BY MADICO

SafetyShield 800 Optivision 15

SafetyShield 800 Optivision 15 adds an additional layer of protection by controlling the view from the exterior. The film is reflective from the outside and also contains a special layer on the interior side to reduce reflections when looking out.

Product Benefits

- Invisible Protection
- 4-Ply Construction
- Controls View From Outside
- Holds Broken Glass Together
- Cuts Glare
- Lowers Interior Reflectivity
- Reduces Energy Costs
- 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

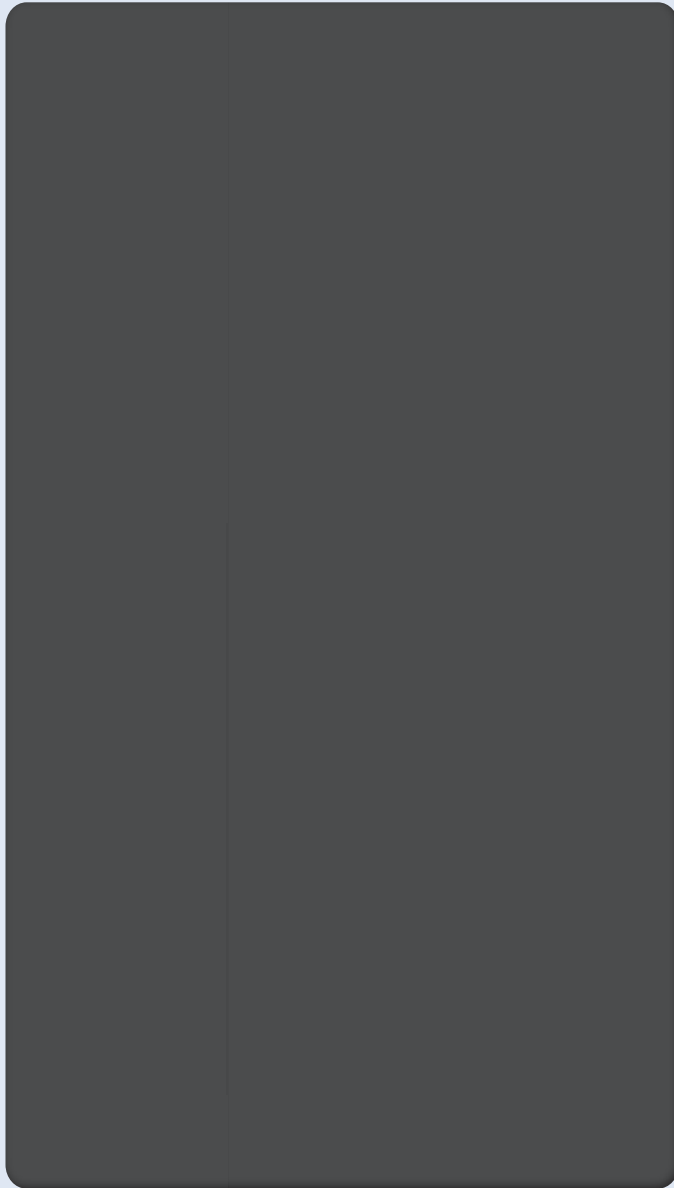
Headquartered in Tampa Bay, Florida, Madico, Inc. innovates, manufactures, and distributes a broad range of protective, functional and decorative materials-based solutions including films, coatings and laminates for various industries worldwide from automotive and architecture to healthcare and aerospace. 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.



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MADICO®

The Clear Choice for Safety Glazing Systems



SafetyShield 800 Optivision 15

Performance Measurements

Visible Light:

Transmitted.....	14%
Reflected Exterior.....	49%
Reflected Interior.....	20%
Glare Reduction.....	85%

Total Solar Energy:

Transmitted.....	14%
Reflected	41%
Absorbed.....	46%

Shading Coefficient	0.31
Solar Heat Gain Coefficient.....	0.27
U Factor.....	0.94
Ultraviolet Rejection	Exceeds 99%
Emissivity.....	0.69
Light to Solar Gain.....	0.52
Total Solar Energy Rejection.....	73%
Infrared Rejection*.....	91%
Infrared Energy Rejection	69%

Physical Properties:

Film Thickness	0.011"
Structural Component	0.0095"
Structure	Multi-Ply Laminate
Adhesive Type	Acrylic Pressure Sensitive
Long. Tensile Strength.....	28,000 PSI
Traverse Tensile Strength.....	36,000 PSI
Break Strength.....	240 Pounds Per Inch (Width)
Long. 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 (Width)

* 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 Optivision 15 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	0.22	0.74	0.11	1.01
Residential†	3 mm (1/8in.) clear 3 mm (1/8in.) clear	0.64	0.29	0.67	0.11	0.69
Non Residential	6 mm (1/4in.) clear	0.73	0.25	0.78	0.12	0.95
Non Residential	6 mm (1/4in.) grey	0.52	0.28	0.39	0.06	0.95
Non Residential†	6 mm (1/4in.) clear 6 mm (1/4in.) clear	0.63	0.34	0.69	0.11	0.57
Non Residential†	6 mm (1/4in.) grey 6 mm (1/4in.) clear	0.41	0.26	0.35	0.05	0.57

† 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.