

# SOLAR BRONZE

BY MADICO

## Solar Bronze 20

Solar Bronze 20 offers a soft earth-tone appearance enhancing your view of the exterior landscape. Solar Bronze provides excellent performance in reducing unwanted solar heat and glare.

### Product Benefits

- Cuts Glare
- Increases Privacy
- Reduces Heat Gain
- Lowers Energy Costs
- Provides Shatter Resistance
- Rejects over 99% of UV Rays
- Slows Fading of Furnishings, Flooring

### Why Madico®?

Madico window films are an elegant, practical solution for comfort, protection and natural appearance. With over 100 years of innovation, Madico is a leading provider of advanced products engineered to meet your needs. When selecting the right window film for your home or building, you can trust in our 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](http://www.madico.com).





# Solar Bronze 20

## Performance Measurements

Visible Light:  
 Transmitted..... 23%  
 Reflected Exterior..... 28%  
 Reflected Interior..... 33%  
 Glare Reduction..... 75%

Total Solar Energy:  
 Transmitted..... 14%  
 Reflected ..... 33%  
 Absorbed..... 53%

Shading Coefficient ..... 0.33  
 Solar Heat Gain Coefficient..... 0.29  
 U Factor..... 0.90  
 Ultraviolet Rejection ..... Exceeds 99%  
 Emissivity..... 0.61  
 Light to Solar Gain..... 0.78  
 Total Solar Energy Rejection..... 71%  
 Infrared Rejection\*..... 93%  
 Infrared Energy Rejection ..... 76%

\* Near IR range (780-2500nm)  
 Performance measurement definitions can be found at [www.madico.com](http://www.madico.com)

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

### Solar Bronze 20 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	0.24	0.74	0.19	0.98
Residential†	3 mm (1/8in.) clear 3 mm (1/8in.) clear	0.64	0.32	0.67	0.17	0.68
Non Residential	6 mm (1/4in.) clear	0.73	0.27	0.78	0.20	0.92
Non Residential	6 mm (1/4in.) grey	0.52	0.28	0.39	0.10	0.92
Non Residential†	6 mm (1/4in.) clear 6 mm (1/4in.) clear	0.63	0.37	0.69	0.18	0.56
Non Residential†	6 mm (1/4in.) grey 6 mm (1/4in.) clear	0.41	0.27	0.35	0.09	0.56

† 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.