

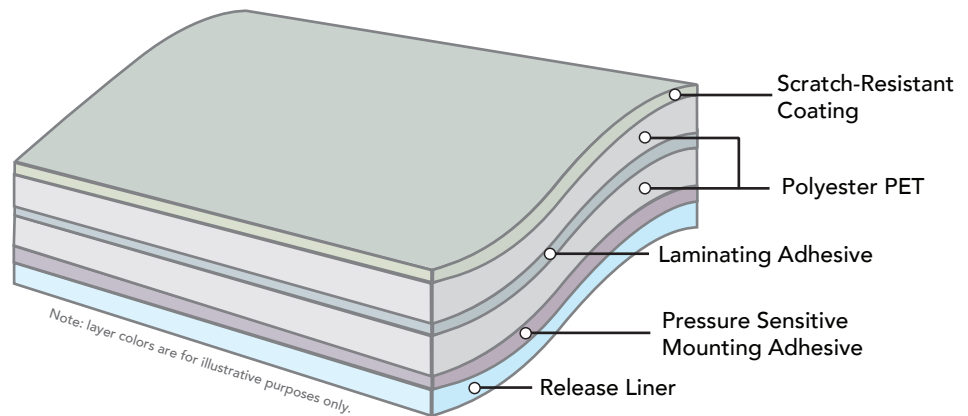
### Graffiti Free® 600 IR

High Performance  
Surface Protection Film

Madico Graffiti Free IR films act as a sacrificial barrier to help control vandalism, protect surfaces over time and provide a cost-effective alternative to replacing damaged glazing. Graffiti Free IR films are also spectrally selective to reduce infrared heat while allowing a high amount of visible light. Graffiti Free IR films are easily installed and replaced in the field so your glass will always look its best. Most effective in transit systems and other high traffic public areas, Graffiti Free IR is the solution to keeping vandals at bay and increasing interior comfort. The materials used in the construction are environmentally friendly, compliant to EU RoHS regulations, REACH regulations and meets reaction to fire requirements according to EN 45545.

#### Material Construction:

- Scratch resistant coating
  - Polyester PET
  - Laminating adhesive
  - Pressure sensitive adhesive
  - Release Liner
  - Total film thickness of 7 mil
- All thicknesses are based on nominal data.*



#### Film Characteristics:

- $\geq 99\%$  UV Rejection
- Coating abrasion resistance:  $\leq 5\%$  Delta Haze
- Pencil hardness:  $\geq 3H$
- EN 45545 compliant for interior and exterior surfaces

#### Applications:

- Rail cars and buses
- Transit stations
- Bus shelters
- Retail storefronts
- Schools
- Restaurants
- Museums and commercial buildings

#### Benefits:

- Spectrally selective
- Optically clear and distortion free
- Invisible vandalism protection
- Blocks over 99% of UV rays
- Up to 46% heat rejection
- Available in 75% and 85% VLTs
- Easy installation and removal
- Protects against scratching, paint, acid etching and more



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#### Technical Performance

##### Film Characteristics:

##### Total Solar Energy

Transmitted.....	37%
Reflected.....	6%
Absorbed.....	57%

##### Visible Light

Transmitted.....	75%
Reflected.....	9%
Absorbed.....	16%

##### Ultraviolet Light

Transmitted.....	≤1%
Rejected.....	≥99%

Solar Heat Gain Coefficient ..... 0.54

##### Test Method

ANSI/NFRC 100,200

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##### Physical Properties:

Film Thickness..... 0.007 inch

Structural Component..... 0.006 inch

Mounting Adhesive Type ..... Pressure sensitive

Abrasion Resistance ..... ≤5% Delta Haze

Base Film Type ..... Polyester (PET)

Pencil Hardness ..... ≥3H

Reaction to Fire Certification ..... Interior and Exterior Compliant

Peel Strength ..... 3 to 4 pounds per inch

Tensile Strength ..... 25,000 PSI Average MD/TD

Break Strength ..... 150 pounds per inch (width)

ASTM D - 1044

EN 45545

##### Chemical and Stain Resistance:

Chemical resistance: Alcohol, aldehydes, hydrocarbons, chlorinated solvents, diluted acids, and alkalines.

Stain resistance: Resistant to most food, chemical and medicinal staining agents.

*The representations of performance and suitability for use contained in this datasheet are guidelines. Since only the user is aware of the specific conditions in which the product is to be used, responsibility to determine whether the product is suitable for that intended need belongs to the purchaser.*

