

SECTION 08 87 20

ANTI GRAFFITI MIRROR GLASS PROTECTION FILM

This document is intended to note the Owners Design Requirements (ODR) for the titled specification section. Design professional to review and integrate ODR into the project's technical specifications. This ODR document should not be viewed as a standalone technical specification.

PART 1 - GENERAL REQUIREMENTS

♦ WARRANTY

- The application shall be warranted by the film manufacturer for a period of ten (10) years in that the film will maintain solar reflective properties without cracking, crazing, delaminating, peeling, or discoloration. In the event that the product is found to be defective under warranty, the film manufacturer will replace such quantity of the film proved to be defective, and will additionally provide the removal and reapplication labor free of charge.

PART 2 - PRODUCTS AND MATERIALS

♦ ANTI GRAFFITI MIRROR GLASS PROTECTION FILM

- Subject to compliance with specified requirements, anti graffiti glass protection film shall be "SCLARL150 Scotchshield" by 3M, or an acceptable substitution by one of the following:
 - Avery Dinnison.
 - Eastman Chemical (LLumar).
 - 3M.
 - Graffiti Shield.
- Film Material - Clear: The film material shall consist of an optically clear micro-layered polyester film, laminated to another clear micro-layered polyester film, and again laminated to a third micro-layered polyester film with a durable acrylic graffiti resistant coating over the surface. The film color shall be clear and will not contain dyed polyester. The film shall have a nominal thickness of 6 mils (0.0060 inches.) There shall be no evidence of coating voids. The film shall be identified as to Manufacturer of Origin.
- Anti graffiti glass protection film shall have the following physical attributes:
 - Emissivity 0.87
 - U Value 1.09
 - Transmission - Visible 87%
 - Reflection - Visible 11%
 - Transmiision - Ultraviolet<2%
 - Shading Coefficient 0.92
 - Tear Resistance >350 lbs%
 - Tensile Strength 30,000 PSI
 - Elongation 140%
 - Break Strength (Per inch width) 60 lbs.
- Adhesive System: The film shall be supplied with a high mass pressure sensitive weatherable acrylate adhesive applied uniformly over the surface opposite the graffiti resistant coated surface. A water soluble detackifier shall be incorporated over the pressure sensitive adhesive to facilitate handling. The adhesive shall be essentially optically flat and shall meet the following criteria:
 - Viewing the film from ten feet at angles up to 45 degrees from either side of the glass, the film itself shall not appear distorted.

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PART 3 - EXECUTION

N/A

END OF SECTION