



Technical Data Sheet

Iron Sentry™ 1401 - Silver Aromatic Coating

Product Information

The Iron Sentry™ Silver Aromatic Coating is an exterior grade, single component, moisture cure, polyurethane coating. It is designed for use as a surface coating where reflectivity, durability, high abrasion resistance, and low life cycle costs are required. When properly applied, it has outstanding adhesion to metal, urethane foam, and most other conventional roofing surfaces. Iron Sentry™ Silver Aromatic Coating also resists the effects of mold, mildew, fungus and parasites.

Typical Properties

Property	Value
Appearance	Silver Liquid
Specific Gravity	0.97 to 1.03
Solids Content	75% to 79%
Solvent Content	21% to 23%
Viscosity at 77° F	2500 cps to 3000 cps
Tensile Strength (ASTM D-412)	1000 psi to 1400 psi
Elongation (ASTM D-412)	220% to 260%
Hardness (ASTM C-518)	55 Shore A to 65 Shore A
Flammability	Class A on Non Combustible Surfaces
Low Temperature Flexibility	ASTM 413 Excellent
Abrasion Resistance	ASTM C501 Excellent
Solar Reflectance	ASTM E903 76% initial/72% after 3 years
Water Vapor Permeability (ASTM D-96) @ 11 dry mils	1.8 to 2.2 perms
Coverage Rate for 11 dry mil thick membrane	1 gallon per 100 Square Feet

Note: The above values are not specifications. Open time, gel time and dry time will all vary depending on temperature and humidity at time of installation. It is recommended that on site testing be performed in job conditions prior to installation. The above values are controlled laboratory results. Results obtained in the field will differ under varying conditions.

Storage & Handling

Iron Sentry™ Silver Aromatic Coating must be stored at temperatures between 50°F and 100°F. When transporting or storing material, be sure that the container is sealed and secure. Do not allow to freeze.

HEALTH & SAFETY INFORMATION: Health and safety information is available in the form of a Material Safety Data Sheet. This literature, describing proper precautions and personal protective equipment is available for review. To receive this information, please contact an MCPU Polymer Engineering representative. Before working with this product you must read and become familiar with this information.

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