



## Technical Data Sheet

# Iron Sentry™ 1535B – White Aliphatic Coating

### Product Information

The Iron Sentry™ White Aliphatic 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. MCPU White Aliphatic Coating also resists the effects of mold, mildew, fungus and parasites.

### Typical Properties

Property	Value
Appearance	White Liquid
Specific Gravity	1.07 to 1.13
Solids Content	72% to 76%
Solvent Content	24% to 28%
Viscosity at 77° F	8000 to 12000 cps
Tensile Strength (ASTM D-412)	1200 to 1600 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 87% initial, 83% after 3 years
Water Vapor Permeance (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 lab data only. Results gained in the field will differ under varying conditions.

### Storage & Handling

Iron Sentry™ White Aliphatic 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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