



Technical Data Sheet

Iron Sentry™ 121 – Hand Mix Polyurethane Sealer MCP1336A and MCP1336B

Product Information

Iron Sentry™ Hand-Mix Sealer is an exterior grade, two component, reactive cure, polyurethane sealer. It is designed for use as a surface coating where durability, high abrasion resistance, flexibility and low life cycle costs are required. When properly applied, it has outstanding adhesion to metal, urethane foam, EPDM rubber and most other conventional roofing surfaces. Iron Sentry™ Sealer resists the effects of mold, mildew, fungus and other parasites.

Typical Properties

Property	Value
Finished Appearance	Flexible Red Rubber-like Membrane
Specific Gravity (MCP1336A) liquid component	1.17 to 1.23
Specific Gravity (MCP1336B) liquid component	1.07 to 1.13
Viscosity at 70° F (MCP1336A) liquid component	2800 cps to 3800 cps
Viscosity at 70° F (MCP1336B) liquid component	3600 cps to 4600 cps
Mixing Ratio MCP1336A to MCP1336B	One to one by volume
Tensile Strength (ASTM D-412) membrane	1000 psi to 1300 psi
Elongation (ASTM D-412) membrane	140% to 170%
Hardness (ASTM C-518) membrane	60 Shore A to 70 Shore A
Water Vapor Permeability (ASTM D-96) 48 mil membrane	Less than 0.002 perms
Coverage Rate for 48 dry mil thick membrane	3 gallons mixed liquids per 100 Square Feet
Gel Time Poured at 80°F. Tack Free Cure @ 80°F	25 to 35 minutes. Tack Free in 8 to 12 hours.

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™ 121 Hand Mix Polyurethane Sealer 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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