



Technical Data Sheet

MCPU 1401B - Silver Aromatic Coating

Product Information

The MCPU 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 commercial roofing surfaces. MCPU Silver Aromatic Coating also resists the effects of mold, mildew, fungus and other parasites.

Typical Properties:

Property	Value
Appearance	Silver Liquid
Specific Gravity	0.95 to 1.05
Solids Content	77% to 79%
Solvent Content	21% to 23%
Viscosity at 77° F	2500 cps to 3000 cps
Tensile Strength (ASTM D-412)	1200 psi to 1400 psi
Elongation (ASTM D-412)	220% to 260%
Hardness (ASTM C-518)	60 Shore A +/-5
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)	1.9 to 2.1 perms
Coverage Rate	1 gal. per 100 SF yields 11 dry mils

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

MCPU 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. This cannot be overemphasized.

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