

DESCRIPTION

Two-component high solids zinc rich moisture cure urethane primer for use on metal substrates in severely corrosive salt environments or anywhere cathodic protection is desired.

COLORS

Zinc gray.

PACKAGING

Available in one and three gallon kits, premeasured for easy blending at the jobsite.

FEATURES

- 92% zinc in dry film provides long term sacrificial corrosion protection.
- Easy to apply with brush, roller, or spray.
- Prolonged life when topcoated with U-104, U-499, U-491 and/or U-111.

USES

An excellent zinc primer for salt atmospheres or wherever cathodic protection is needed. It is recommended that U-109 be topcoated in severe environments for best results. Vinyls, epoxies or urethanes are excellent corrosion resistant topcoat systems which may be used. The preferred system for long term protection in salt environments is a prime coat of U-109, an intermediate coat of U-104 aluminum pigmented urethane or U-494 epoxy and a finish coat of U-111 two component aliphatic urethane finish coat.

SURFACE PREPARATION

Prior to sandblasting, all grease, oil and other contaminants must be removed by suitable method such as solvent cleaning or chemical cleaners. Surface should then be sandblasted to an SSPC SP-10 near white blast for optimum results.

Technical Data

Coverage Rate @ 3 mils DFT:	320 sq. ft. / gal.
Minimum Application Temp.:	35°F (2°C) or within 10° of dew point
Pot Life @ 70°F, 50% R.H.:	4 Hours minimum
Dry Time @ 70°F, 50% R.H.:	To Touch: 1 Hour To Recoat: 3 Hours
Volume Solids:	61%
Shelf Life:	24 months at 77°F when stored in a sealed container
Service Temperature Range:	-40°F to 300°F (-40°C to 149°C)
Method of Application:	Spray, Roller, Brush
Thinners:	None
Cleaner:	CFI 704 Cleaner, Lacquer Thinner, Aromatics 100
Weight Solids:	89%

APPLICATION

U-109 may be applied by brush, roller, or spray application (air atomizing or airless). This coating is moisture curing and it is extremely important that the surface be free of all moisture prior to coating application. Also, U-109 should dry for a minimum of one hour at 75°F and 50% R.H. prior to being subjected to moisture (rain); longer at lower temperatures and relative humidity.

Components should be blended using a mechanical stirrer. An agitator equipped pot should be utilized during application to prevent settling of heavy zinc pigment.

CAUTION: For spray application suitable protective vapor/particulate respirators should be worn by all personnel in the area. In poorly ventilated enclosed areas, a fresh air supplied mask should be worn. In all cases, observe OSHA regulations for respirator use (29 CFR 1910.134) whenever a respirator is used. It is important the spray droplets of paint not be inhaled.

IMPORTANT: Clean equipment immediately after use. If coating is allowed to harden on equipment, an industrial paint stripper is required to remove it.

HARMFUL OR FATAL IF SWALLOWED.

If swallowed do not induce vomiting. Call physician immediately.

Eye irritant. Wear eye protection. In case of contact with eyes, flush repeatedly with water and contact a physician.

Difficult to remove from skin. Wear gloves and protective clothing. Moisture in skin will cause rapid cure. Do not attempt to remove cured coating on skin with solvent; soak in warm, soapy water. Barrier creams are not recommended where possible to cover with protective clothing.

COMBUSTIBLE.

Keep away from heat, sparks and open flame.

Refer also to U-109 Safety Data Sheet.