

DESCRIPTION

Two-component aliphatic acrylic urethane finish coating for exterior applications.

COLOR

Available in standard full gloss colors and clear. Special colors and gloss can be matched upon request.

PACKAGING

Available in one and five gallon units, premeasured for easy blending at jobsite.

FEATURES

- High gloss retention and color stability.
- Easy to apply with brush, roller, or spray.
- Prolonged life when topcoated with U-104, U-499, U-491 and/or U-111.

USES

U-166 has non-yellowing, non-chalking properties combined with excellent gloss retention, maintaining a high gloss through many years of service. Because of its excellent weather resistant properties, it finds use on steel towers, water storage tanks, industrial buildings and as a general maintenance and architectural coating, including use on masonry substrates. It is not recommended for use as a floor coating.

U-166 can be applied over a wide variety of properly prepared and primed substrates including structural steel, cold rolled steel, aluminum, concrete and galvanized steel. Generally, it is used as a topcoat over U-104, U-109, or U-499 primers.

Technical Data

Coverage Rate @ 2 mils DFT:	368 sq. ft. / gal.
Minimum Application Temp:	25°F (-4°C) Substrate must be at least 10°F (6°C) above dew point
Pot Life @ 70°F, 50% R.H.:	6 Hours
Dry Time @ 70°F, 50% R.H.:	To Touch: 45 Minutes To Recoat: 3 Hours Mar-Free: 10 Hours Maximum Hardness: 7 Days
VOC:	≤ 340 g/L
Flash Point:	108°F TCC (42°C)
Volume Solids:	46%
Shelf Life:	Part A: 2 years if unopened Part B: 1 year if unopened
Film Thickness:	2 to 3.5 mils DFT (4 to 7 mils wet)
Thinner:	CFI 711
Cleanup Solvent:	CFI 704 Cleaner or CFI 711

READ THE SAFETY DATA SHEET PRIOR TO USE.

SURFACE PREPARATION

New Metal Surfaces – Should be cleaned of oil, grease and dirt. To obtain optimum results, the metal should be sandblasted and U-104 or U-499 primer applied then topcoated with U-166. Zinc pigmented primers, U-497 and U-109 are also recommended for use with U-166.

Rusted Surfaces – If metal surface is rusted and sandblasting is not practical from an application or cost standpoint, U-104 can be applied directly over rust which is tightly adherent. Although this situation is not as ideal as sandblasting, excellent results have been obtained.

Previously Painted Surfaces – When painting over previously painted surfaces a spot test should be made to check for lifting. Dirt and loose paint should be removed by suitable method and spot primed before application of finish coat. It is extremely important that surface is free of all moisture prior to coating application or down glossing or blistering of paint film may occur.

APPLICATION

U-166 can be applied immediately after mixing the two components. However, thorough mixing of the two components is important. Mechanical mixing is preferred at slow speed to avoid air entrapment. This coating may be applied by spray (air or airless), bush or roller (close nap). If application is by spray method suitable protective vapor/particulate respirators should be worn by all personnel in the area.

In poorly ventilated enclosed areas or when airborne concentrations exceed TLV (ceiling) for HDI, a fresh air supplied mask should be worn. In all cases, observe OSHA regulations for respirator use whenever a respirator is used. Also see product SDS. Spray equipment must be equipped with properly working vapor traps and air supply must be dry.

PRECAUTIONS

Part B contains aliphatic polyisocyanate prepolymer. When combined with Part A, warning applies to complete mix. Use adequate ventilation. In confined areas, use adequate forced ventilation during application and drying. When spraying, a fresh air mask should be used. 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. 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-166 Safety Data Sheet.