

DESCRIPTION

U-313 is a two component, flexible polyester aliphatic 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.

FEATURES

- Extreme flexibility and toughness
- Excellent erosion resistance
- UV stable for extended weathering
- Adheres to a variety of substrates
- Good chemical resistance

USES

U-313 is a highly flexible coating having non-yellowing and non-chalking properties along with excellent abrasion resistance. It provides excellent gloss retention and will continue to retain a high gloss through many years of service. It is suggested, therefore, as a finish coat on plastics, textiles, or other flexible substrates.

READ THE SAFETY DATA SHEET PRIOR TO USE.

Technical Data

Coverage Rate @ 2 mils DFT:	500 sq. ft. / gal.
Application Temperature:	25°F to 90°F (-4°C to 32°C)
Pot Life @ 70°F, 50% R.H.:	6 Hours
Dry Time @ 70°F, 50% R.H.:	To Touch: 4-6 Hours Mar-Free: 10-12 Hours Full Cure: 3-5 Days
VOC:	321 g/L (2.68 lbs. / gal.)
Flash Point:	91°F (33°C)
Volume Solids:	64%
Shelf Life:	Part A: 2 years if unopened Part B: 1 year, if unopened
Mix Ratio:	3 Parts A to 1 Part B by volume
Fire Resistance of Dry Film*:	Self-extinguishing
Method of Application:	Brush, roll or spray
Thinner:	CFI 711 or 735 Thinner

**NOTE: Although this coating is not a fire-retardant product, it will not support combustion and will self-extinguish when the source of fire is removed.*

Performance Data

Tensile Strength: (ASTM D2370)	5300 psi
Elongation: (ASTM D2370)	140%
100% Modulus: (ASTM D2370)	3700 psi
Pencil Hardness: (ASTM D3363)	2h
Impact Resistance: (ASTM D2794)	160 in. lbs. Direct and Reverse
MEK Double Rubs: (ASTM D5402)	200 no effect

LIMITED WARRANTY: All statements, technical information and recommendations contained herein are based on tests the manufacturer believes to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective at the time the sealed container is first opened, and in no event beyond the published shelf life. Neither seller nor manufacturer shall

be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. At no point shall a claim of loss or damage resulting from use of the product exceed the purchase price allocable to the product giving rise to the claim. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. All data, statements and recommendations made herein are based upon information manufacturer be-

lieves to be reliable, but are made without any representation or guarantee or warranty of accuracy, and are made with reservation of all patent rights. All products are sold on the condition that the user will evaluate them, as well as manufacturer's recommendation, to determine their suitability for user's own purpose before adoption. Statements regarding the use of the products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.

SURFACE PREPARATION

New Metal Surfaces – New metal surfaces should be cleaned of oil, grease and dirt. To obtain optimum results, the metal should be sandblasted and U-104 applied then topcoated with U-313.

Rusted Surfaces – If metal surface is rusted and sand-blasting 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, or incompatibility with the old coating. Dirt and loose paint should be removed by suitable method and spot primed before application of finish coat.

IMPORTANT: *It is extremely important that this surface is free of all moisture prior to coating application or blistering of paint film may occur.*

Plastics must be free of mold release compounds, oils and other surface contaminants. Test plastic substrates to be sure solvents contained in U-313 will not attack the substrate, especially after post-forming operations.

APPLICATION

U-313 can be applied immediately after mixing 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), brush 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 (29CFR1910.134) whenever a respirator is used. See also product safety data sheets. Spray equipment must be equipped with properly working vapor traps and air supply must be dry.

PRECAUTIONS

WARNING: Flammable

Contains Aliphatic Polyisocyanate Prepolymer Hexamethylene Diisocyanate. Use only with adequate ventilation.

Good industrial hygiene practice dictates that when isocyanate based coatings are spray applied, some form of respiratory protection should be worn.

Individuals with chronic respiratory problems or prior respiratory reactions to isocyanates must not be exposed to vapors or spray mist containing isocyanates. If affected by inhalation, vapor or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available. Read SDS prior to product use.

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-313 Safety Data Sheet.