

COATING DATA

DESCRIPTION:

A high solids, high build, direct-to-metal, aliphatic polyester polyurethane finish that can successfully be applied direct to metal, over aged coatings or freshly applied Induron epoxies. Permaastic LV Polyurethane is a mastic coating designed to provide corrosion protection of steel and properly prepared/primed concrete in moderate to severe environments. It can be used directly over sound rusted steel with minimum surface preparation, aged coatings or freshly applied Induron epoxies. It provides outstanding color and gloss retention for many years. Permaastic LV is available in a virtually unlimited color range, in gloss & satin finishes and is a stain resistant coating which performs well in aggressive environments.

Permaastic LV Polyurethane

- Excellent exterior durability. Retains gloss and color for years.
- Provides complete color flexibility, choose from Induron color card or provide us with your standard.
- Is a high performance chemical resistant coating.
- Complies with South Coast Air Quality Management District(SCAQMD) for Volatile Organic Compounds Emission Standards for industrial maintenance coatings.

USE:

Use as the finish coat on properly prepared interior or exterior surfaces, direct to metal, over sound but aged coatings or over freshly applied Induron epoxies. This coating is especially designed for use where long term gloss and color retention is required. Use in a range of aggressive environments such as:

- Water storage tanks and treatment plants
- Miscellaneous exposed metals
- Pulp and paper processing facilities
- Architectural décor

LIMITATIONS:

Do not use for immersion service. Maximum continuous service temperature (dry) 200°F (93°C).

SURFACE PREPARATION:

PRIMERS—Induron Permaastic Polyurethane may be directly applied over:

- Induron Epoxies: Induraguard, Induramastic 85, Perma-Clean III and PE-70/RC-70
- E-Bond 100 Penetrating Sealer
- Indurazinc MC67 or Indurazinc ONE67

Corroded Steel (Non-immersion)- Remove loose rust scale and poorly adhered old paint using water blast and/or hand and power tools. Remove oil and grease per SSPC-SP1 Solvent Cleaning. For severe industrial exposures, a brush off blast cleaning is recommended. **Weathered Galvanized Steel and Aluminum (Non-Immersion)**- Remove oil and grease per SSPC-SP1 Solvent Cleaning. **Concrete**- Remove all laitance, form oils and other contaminants. **Old Paint**- Remove all peeling and poorly adhered paint using water blast and/or hand and power tools. Remove oil and grease per SSPC-SP1 Solvent Cleaning. A test patch is recommended over existing coatings.

RECOATABILITY: This product may be recoated with itself anytime after 18 hours.

COVERAGE:

Theoretical—1043 ft² per gallon at 1.0 mil dry.

DRY FILM THICKNESS: 2.5 to 5.0 mils.

WET FILM THICKNESS: 3.9 to 7.7 mils.

APPLICATION DATA**BLEND RATIO:**

One part Q4-1216 Permastic LV Urethane Activator to four parts Permastic LV Polyurethane Base by volume. Power agitate until components are thoroughly mixed.

POT LIFE: 90 minutes @90F, 3 hours @70F, 6 hours @50F.

STORAGE TEMPERATURE:

Minimum 20°F, Maximum 110°F.

SHELF LIFE:

18 months at recommended storage temperature.

APPLICATION:

Airless Spray: Use .015-.017 tip, 60 mesh filter, 30:1 pump ratio at 60-100 psi operating air pressure.

Roll: Use short nap cover. Additional coats may be required to achieve desired film thickness.

Brush: Use natural bristle brush. Additional coats may be required to achieve desired film thickness.

THINNING:

If thinning is required for viscosity reduction or cleanup, use K-1017 if VOC exempt is needed.

SURFACE TEMPERATURE:

Minimum 40°F, Maximum 120°F.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature is a minimum of 40°F and is expected not to decrease for at least two hours after application. Also, the substrate temperature must be 5°F above the dew point for a period of at least two hours after application to avoid condensation occurring on wet paint.

DRY TIME:

TO HANDLE—3 hours @90F, 6 hours @70F, 12 hours @50F.

TO RECOAT—Overnight.

Note: Lower temperature, higher film build, and/or poor ventilation will retard dry time.

Note: U-50 Accelerator may be used to increase the normal curing rate of reaction to provide a rapid low temperature cure. See U-50 Technical Data sheet for more information.

PHYSICAL DATA:

VOLUME SOLIDS: 65% ± 2%

SOLIDS BY WEIGHT: 74% ± 2%

WEIGHT PER GALLON: 13.5 ± 0.2 lbs per gallon

VOLATILE ORGANIC COMPOUNDS:

Mixed unthinned: <0.8 lbs/gallon; <100 grams/liter

Mixed thinned 10% with K-1017: <0.8 lbs/gallon; <100 grams/liter

PERFORMANCE DATA:

GRAFFITI CLEAN-UP: Spray Paint—100% removed with ketone solvent.

SAFETY DATA: See individual product label for safety and health data. A Material Safety Data Sheet is available upon request.