

COATING DATA

DESCRIPTION:

PermaStic Polyurethane is a high solids, high build, direct-to-metal, aliphatic polyester polyurethane coating. It is a mastic coating designed to provide corrosion protection of steel and properly prepared and primed concrete and masonry in moderate-to-severe environments. It can be used directly over carbon steel having tight rust with minimum surface preparation. It provides outstanding performance and excellent long term gloss and color retention. It is available in a virtually unlimited color range, in both gloss & satin finishes. It is a high performance chemical and stain resistant coating which performs well in a variety of aggressive environments.

PermaStic Polyurethane

- Excellent exterior durability. Retains gloss and color for years. Contains a factory blended mold and mildew inhibitor.
- Provides complete color flexibility. Choose from our standard Induron color card or provide us with your standard.
- High performance chemical resistant coating. Graffiti is easily removed with appropriate solvent.

USE:

Use as the finish coat on properly prepared interior or exterior surfaces. This coating is especially designed for use where long term gloss and color retention is required. It is ideal as a finish coat or intermediate coat for water tank overcoat projects. Use in a wide range of aggressive environments such as:

- Water storage tanks, water and waste water treatment plants.
- Miscellaneous exposed metals and architectural décor.
- Pulp and paper, chemical, petrochemical processing facilities.

LIMITATIONS:

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

SURFACE PREPARATION:

PRIMERS—Induron PermaStic Polyurethane may be directly applied over:

- Induron Epoxies: AquaClean, Induraguard, Induramastic 85, Induramastic LT, Perma-Clean II PE-70/RC-70 and E-Bond 100 Penetrating Primer
- Indurazinc MC 67, Indurazinc DF 67, Indurazinc MC ONE 67

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 SSPC-SP 7/NACE 4 Brush-off Blast Cleaning is recommended. Weathered Galvanized Steel and Aluminum (Non-Immersion)- Remove oil and grease per SSPC-SP 1 Solvent Cleaning. Concrete- Remove all laitance, form oils and other contaminants in accordance with SSPC-SP 13/NACE 6. 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 in accordance with the procedures of ASTM D5063-16.

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 Urethane Activator to four parts Permastic Polyurethane Base by volume. Power agitate until components are thoroughly mixed.

POT LIFE: 90 minutes @90F, 3 hours @70F, 5 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-1012 or 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—4 hours @70F

Note: Lower temperature, higher film build, high humidity and/or poor ventilation will retard dry/recoat 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: 80% ± 2%

WEIGHT PER GALLON: 12.77 ± 0.2 lbs per gallon

VOLATILE ORGANIC COMPOUNDS:

Mixed unthinned: < 2.4 lbs./gallon; < 288 grams/liter

Mixed thinned 10% with K-1012: < 2.8 lbs./gallon; < 336 grams/liter

Mixed thinned 10% with K-1017: < 2.4 lbs./gallon; < 288 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.