INDURON
PROTECTIVE COATINGS
800 324 9584 | 3333 R. ARRINGTON N. • BHAM, AL 35234

COATING DATA

DESCRIPTION:

A two-component, high solids, chemical and corrosion resistant modified polyamidoamine epoxy coating formulated to provide excellent protection to a variety of substrates in severe environments. This product uses a special modified polyamidoamine curing agent which imparts the best properties of both amines and conventional polyamides. For maximum benefit, this product is to be used as part of a system, featuring Perma-Clean II Primer, Perma-Clean II Semi-Gloss product used as an intermediate or finish coat, and Perma-Clean II High Gloss Epoxy Finish. This product may be topcoated with Induron Indurethanes. This product meets the requirements of the Food Safety and Inspection Service of the U. S. Department of Agriculture as chemically acceptable for use in areas where there may be a possibility of incidental food contact. This product also meets the requirements of ANSI/AWWA D102-03 Outside System No. 5 for first and intermediate coat.

Perma-Clean II High Gloss Epoxy

- High build coating, may be applied to provide up to 6 dry mils per coat.
- Has complete color flexibility.
- Performs well in many aggressive corrosive environments including the following:
  - Concrete floors.
  - Immersion in neutral, alkaline, and salt solutions.
  - Immersion in water.
  - Immersion in concentrated caustic solutions.
  - Acid fume, splash, and spillage.
  - Immersion in aliphatic petroleum hydrocarbon solvents.

USE:

To protect steel, concrete, masonry, wood or drywall substrates from chemical and corrosion attack. Use in severe environments that include abrasion, moisture, corrosive fumes, chemical contact, and immersion. These industrial environments include chemical processing plants, power plants, offshore oil and gas equipment, laboratories, pulp and paper mills, structural steel, and others.

LIMITATIONS:

Do not use for immersion service above 120°F (49°C) or dry heat above 200°F (93°C). Not recommended for immersion in concentrated solutions of mineral acids or organic acids. Not for potable water.

SURFACE PREPARATION:

Steel (Immersion)—For water immersion use SSPC-SP 10 Near White Blast and remove all surface contaminants. Other recommended immersion SSPC-SP 5 White Metal Blast. Vacuum after blasting and recoat all blasted area the same day. Prime with Perma-Clean II Primer.

Steel (Non-Immersion)—For best results, SSPC-SP 6 Commercial Blast and remove all surface contaminants. Prime with Perma-Clean II Primer, Indurazinc MC-67, or other recommended Induron primers. **Note**: For steel that is Power Tool Cleaned, or rusted steel, prime with Induramastic 85.

Aluminum and Galvanized Steel—Prime with Induron Vinyl Wash Primer.

Concrete Floors—New construction must cure at least 30 days prior to painting. Prepare surface with acid etch or sandblast. For best results, thin first coat 50 percent and follow with one or two full coats of Perma-Clean II Epoxy coating.

Concrete Construction—New concrete must cure at least 30 days prior to painting. Remove all surface contaminants. For best results, use SSPC-SP 7 Brush Off Blast to clean surface. Do not apply over oil or form release agents. For best results, apply a first coat of Perma-Clean II Epoxy thinned up to 50 percent as a primer and follow with one full coat of the appropriate finish. Perma-Clean II may also be used over Induron Polyfill Epoxy Block Filler.

COVERAGE:
Theoretical—962 ft^2 per gallon at 1.0 mil dry film thickness.

DRY FILM THICKNESS:
3.0 to 6.0 mils per coat.

WET FILM THICKNESS:
6.0 to 10.0 mils.

APPLICATION DATA

BLEND RATIO:
One part Perma-Clean II Epoxy Activator to four parts Perma-Clean II Epoxy Base. Power agitate until components are thoroughly mixed. Allow mixed components to stand fifteen minutes prior to application.

POT LIFE:
Six hours at 80°F decreasing with higher temperature.

APPLICATION:
Airless Spray—Use .017-.019 tip; 60 mesh filter; 30:1 pump ratio at 80-100 psi operating air pressure. ***Conventional Spray***—Follow instructions of equipment manufacturer for the application of epoxy paints. ***Roll***—Use lambswool 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 required, thin up to 10% with K-1066 Reducer. Clean equipment with K-1066 Reducer.

CLIMATE:
Use this product only if the substrate temperature and ambient air temperature is above 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 dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint.

DRY TIME:
TO HANDLE—7 hours at 80°F.
TO RECOAt—50°F or higher, over-night; 40°F to 50°F, second day.
Note: High film thickness, low temperature and/or poor ventilation will retard dry time.
Note: E-60 Accelerator may be used to increase the normal curing rate of reaction to provide a rapid low temperature cure. See E-60 Technical Data Sheet for more information.

PHYSICAL DATA:
VOLUME SOLIDS: 60% ± 1%
SOLIDS BY WEIGHT: 70% ± 1%
WEIGHT PER GALLON: 9.7 ± .2 lbs per gallon
VOLATILE ORGANIC CONTENTS:
Mixed unthinned - < 2.3 lbs/gallon; < 266 grams/liter
Mixed thinned 10% - < 2.6 lbs/gallon; < 312 grams/liter
HAPS:
Mixed unthinned - 1.7 lbs/gallon solids
Mixed thinned 10% - 2.2 lbs/gallon solids

SAFETY DATA:
See individual product label for safety and health data information. Individual Material Safety Data Sheets are available upon request.

PERFORMANCE DATA: See Induron Perma-Clean II System Technical Data Sheet.