TCI COATINGS INC.

HIGH BUILD EPOXY COATINGS
E6002 WHITE

DESCRIPTION: This polyamide-cured epoxy primer is formulated as a high build coating for steel substrate. It cures at ambient temperatures and exhibits excellent resistance properties to a wide variety of chemicals and corrosives. Excellent adhesion, sag resistance and corrosion resistance.

MIX RATIO: 1:1 By Volume with EA017

RECOMMENDED USES: Recommended for use on structural steel, tank interiors and exteriors, pipes, concrete floors, and concrete block walls. The coating has excellent resistance to a wide range of chemicals.

PRIMERS RECOMMENDED: Self-priming

TECHNICAL DATA

Theoretical Coverage (Mix):
926.191 square ft/ gallon @1 Mil
Weight Per Gallon:
A: 12.560 ± 2%
B: 10.381± 2%
Mixed: 11.470 ± 2%
Solid Content:
A: 78.75% (Wt.) 63.80% (Vol)
B: 66.08% (Wt.) 51.69% (Vol)
Mixed: 73.02% (Wt.) 57.75% (Vol)
VOC (less water):
A: 2.60 Lbs./ Gal
B: 3.46 Lbs./ Gal
Mixed: 3.03 Lbs./ Gal
Recommended Dry Film Thickness
4.0 – 6.0 Mils dry per coat
Drying Time @70°F, 50%RH
To Touch: 4 hours
Recoat: 12 hours
Full Cure: 7 Days

Gloss @60°angle:
Low gloss
Viscosity:
A: 85 – 90 KU
B: 85 – 90 KU
Mixed: 85 - 90 KU
Organic Solvent:
A: 20.72% (Wt.) 36.20% (Vol)
B: 33.45% (Wt.) 48.46% (Vol)
Mixed: 26.48% (wt.) 42.33% (Vol)
Environmental Codes:
Lead or Chromate Free
Sag: ≥ 10 Mils Wet
Pot-Life: 8 -10 Hours
Temperature Limit (Dry):
250°F
Thinner:
R1799 (spray application)
R1499 (brush or roller, if needed)

IMPORTANT INFORMATION

- Higher relative humidity increases dry time, provide air movement.

- Do not spray if surface air or product temperature is below 50°F, or at any temperature when ambient air temperature is below 5°F of the dew point to prevent moisture from condensing on the surface on the surface to be painted on the freshly painted surface.
- Store at room temperature if possible.

MIXING AND THINNING

Thoroughly mix 1 part of the E6002 base and 1 part activator. Allow to stand up to 15 minutes induction time before using. The mixed product is usable for 10 hours. No thinning is required for brushing or rolling but if desired, use TCI's R1499. Acetone or **TCI**'s R-1799 should be used to reduce spraying. Prepare material that can be used for the day.

SURFACE PREPARATION

Paint only clean, dry surfaces. Remove all oil, dirt, mildew, or other foreign matter by solvent or detergent washing.

STEEL: Apply to steel blasted according to Steel Structures Paint Council #10 "Near white Metal Blast Cleaning" or better. Blasting shall be done with a centrifugal wheel or compressed air blasting equipment, using proper abrasives to attain an average profile depth of 2.5 mils (38 microns). Do not reuse sand or flint abrasives. Shot abrasives must be thoroughly clean before reuse. Blow dust and grit from surface with clean dry air. Coat within 8 hours or before rust and contamination occurs.

CONCRETE: "Brush Blast Cleaning" (SSPC-SP7-63) can be used to prepare the concrete by removing all foreign matter and providing a tooth for bonding. Acid etching can be an effective alternative depending on the condition of the surface to be coated. Refer to **TCI**'s *Guidelines for Applying Two-Component Urethanes to Concrete Floors.*

APPLICATION

For conventional air spray, airless, HPLV applications. Brush for touch-up.

THINNING

Ready to spray.

CLEAN UP

Use ketones such as acetone or Xylene.

HANDLING PRECAUTIONS

WARNING*: Flammable!*
Keep away from heat or open flame.
Use with adequate ventilation.
Avoid prolonged or repeated contact with skin and breathing of vapor or spray mist.
Do not take internally.
Close container after each use.
For industrial use only.

These products contain solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during all storage, handling, use and drying periods. For best results and safest usage, the user is specifically directed to consult the current "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements.

When applying coatings by spray equipment, observe all precautionary safety measures. Spray equipment must be handled with due care and in strict accordance with the manufacturer's recommendations. If precautions are not taken, spraying of any material can be hazardous. When using or handling spray equipment, hoses and the like, observe all required safety practices. In addition, when spraying paint or coatings, wear a respirator recommended for the product being handled. In all cases wear protective eye equipment. Before using the products listed herein, carefully read each product label, and follow directions for its use. Please read and observe all warnings and precautionary information on the product labels.