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E8001 HIGH BUILD EPOXY LINING – WHITE

DESCRIPTION: A high performance, epoxy primer designed to cure at low temperatures and exhibit excellent resistance properties to a wide variety of chemicals and corrosives materials. Maintains flexibility and toughness better than standard epoxies of this class. Excellent adhesion, sag resistance and corrosion resistance.

MIX RATIO: 4:1 By Volume with EA081

RECOMMENDED USES: Designed for use on tank interiors and exteriors, various storage, and containment vessels (steel and concrete). Resists petroleum products (crude, sour crude, diesel fuel, hydraulic fluids, etc.), brine and other salt solutions, detergents, and lubricants. Shows good resistance to 20% HCL in the presence of aromatic solvents (Xylene, etc.). Ideal for oil field frac tanks.

PRIMERS RECOMMENDED: Self-priming

TECHNICAL DATA

Theoretical Coverage (Mix): 1090.230 square ft/ gallon @1 Mil	Gloss @60° angle: Semi-Gloss
Weight Per Gallon: A: 12.583 ± 2% B: 10.682 ± 2% Mixed: 12.203 ± 2%	Viscosity: A: 85 – 90 KU B: 85 – 90 KU Mixed: 85 - 90 KU
Solid Content: A: 79.08% (Wt.) 64.29% (Vol) B: 87.82% (Wt.) 82.68% (Vol) Mixed: 80.61% (Wt.) 67.97% (Vol)	Organic Solvent: A: 20.39% (Wt.) 35.71% (Vol) B: 11.63% (Wt.) 17.11% (Vol) Mixed: 18.86% (wt.) 31.99% (Vol)
VOC (less water): A: 2.57 Lbs./ Gal B: 1.25 Lbs./ Gal Mixed: 2.31 Lbs./ Gal	Environmental Codes: Lead or Chromate Free Sag: ≥ 10 Mills Wet Pot-Life: 2 Hours
Recommended Dry Film Thickness	Temperature Limit (Dry): 250°F

3.0 – 10.0 Mills dry per coat
Drying Time @70°F, 50%RH
To Touch: 2 -4 hours
Recoat: 4 - 36 hours (temp.
dependent)
Full Cure: 5 - 7 Days

Minimum Temperature: May be sprayed
at temp as low as 40°F
Thinner:
R1799 (if needed)
Induction Period: None required

CHEMICAL RESISTANCE CHART

Fresh water	✓	Fuel Oil	✓
Salt Water	✓	Diesel	✓
Crude Oil	✓	Gasohol	✓
Methanol	NR	Gasoline	✓
15% Hydrochloric Acid	✓	20% HCl, 5% Xylene	✓
20% Hydrochloric Acid	✓	20% HCl, 10% H ₃ PO ₄ , 10% H ₂ SO ₄	✓

Key: ✓ Resistant
NR Not Recommended

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 4 parts of the E8001 base and 1 part activator. The mixed product is usable for 2 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 in spray application. 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. Rough off sharp edges, rough welds, burrs, etc.

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

APPLICATION EQUIPMENT: Recommend airless, Graco 30:1 pump or larger; 206-718 gun or equal; 0.019 - 0.023 orifice reversible tip; 3/8" I.D. or larger high pressure, solvent resistant fluid line; 1/2" I.D. or larger air supply line; filter size 60 mesh.

BRUSH OR ROLL: Only for small areas or striping welds. Use short nap, phenolic core roller cover and short hair or natural bristle brush.

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.