



HIGH BUILD EPOXY LINING
E-9001 WHITE
E-9003 PINK
E-9009 GRAY

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

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 (based on E-9001)

THEORETICAL COVERAGE: 1,315 sq. ft.
per mixed gallon at 1.0 mil dry

RECOMMENDED DRY FILM THICKNESS:
5 - 12 mils dry per coat

GLOSS: Semi gloss

WEIGHT/GALLON: 12.00 lb. (mixed)

VISCOSITY: 85 - 100 Krebs Units (mixed)

FLASH POINT: 60° F.

SOLIDS CONTENT: 82% by volume (mixed)
90% by weight (mixed)

ENVIRONMENTAL CODES:

V.O.C. less than 1.3 lb./gal. (mixed)

TEMPERATURE LIMIT(DRY): 250° F.

THINNER: R-1599

POT LIFE @ 70° F.: 2 hours

MIXING RATIO: 4 to 1 by volume; 4 parts
E-9001 base to 1 part EA-091 activator

INDUCTION PERIOD: None required

MINIMUM TEMPERATURE: May be
sprayed at temperatures as low as 40° F.

DRYING TIME @ 70° F., 50% R.H.:

To touch: 2 - 3 hours

To recoat: 4 - 36 hrs (temperature dependent)

Full cure: 5 - 7 days

CHEMICAL RESISTANCE CHART

Fresh water	√
Salt water	√
Crude oil	√
Methanol	NR
15% Hydrochloric acid	√
20% Hydrochloric acid	√
20% HCL, 5% Xylene	√
20% HCL, 10% H ₃ PO ₄ , 10% H ₂ SO ₄	√
Fuel oil	√
Diesel	√
Brine water	√

Key: √=resistant;

NR=not recommended

(Consult TCI for additional
information, 800-880-8242)

IMPORTANT INFORMATION

APPLICATION TEMPERATURE: Do not apply when the air, surface, or product temperature is below 40° F. or at any temperature when the ambient air temperature is within 5° F. (3° C.) of the dew point to prevent moisture from condensing on the surface to be painted or on the freshly painted surface.

MIXING AND THINNING: Thoroughly mix 4 parts of the base E-9001 and 1 part of EA-091 activator. The mixed product is usable for 2 hours. No thinning is required for brushing or rolling. TCI's R-1599 should be used to reduce for spraying, if necessary.

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 SP-100 "Near White Blast." Blasting shall be done with a centrifugal wheel or compressed air blasting equipment, using proper abrasives to attain an average profile depth of 1.5 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. Round 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*.

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 and any recommended reducers 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, 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.