TCI COATINGS INC.

HIGH BUILD EPOXY PRIMER
E-8009 BASE, HAZE GRAY
EA-089 ACTIVATOR

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. 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.), chemicals, fertilizers, brine and other salt solutions, detergents and lubricants. Shows good resistance to alkali and 20% HCL in the presence of aromatic solvents (Xylene, etc.). Not for commercial or architectural use. For heavy-duty industrial applications by professional contractors only.

PRIMERS RECOMMENDED: Self priming or used over TCI's TZ-201 Zinc Rich Primer.

TECHNICAL DATA

THEORETICAL COVERAGE: 1,150 – 1,200 sq. ft. per mixed gallon at 1.0 mil dry
RECOMMENDED DRY FILM THICKNESS: 3 – 10 mils dry per coat
SAG RESISTANCE: greater than 30 mils
WEIGHT/GALLON: 12.0 – 12.5 lb. (mixed) (varies by color)
FLASH POINT: 79° F.
SOLIDS CONTENT: 73±2% by volume (mixed) 83±3% by weight (mixed)
ENVIRONMENTAL CODES: V.O.C. less than 2.1 lb./gal. (mixed)
TEMPERATURE LIMIT(DRY): 250° F.
SHEEN: Semi gloss

VISCOSITY: 85 – 100 Krebs Units (mixed)
DRYING TIME @ 70° F., 50% R.H.:
To touch: 2 – 4 hours
To recoat: 4 – 6 hours
Max recoat: 14 days
Full cure: 5 – 7 days
MIN. TEMPERATURE: May be sprayed at temperatures as low as 40° F.
INDUCTION PERIOD: None required
MIXING RATIO: 4 to 1 by volume; 4 parts E-8009 base to 1 part EA-089 activator
POT LIFE @ 70° F.: 2 – 3 hours
THINNER: R-1799

CHEMICAL RESISTANCE CHART

Fresh water	√	Salt water	√
Crude oil	√	Fuel oil	√
Methanol	NR	Diesel	√
15% Hydrochloric acid	√	20% Hydrochloric acid	√
20% HCL, 5% Xylene	√	20% HCL, 10% H_3Po_4, 10% H_2So_4	√
Gasohol	√	Gasoline	√
Kerosene	√	20% Sodium Hydroxide (NaOH)	√
Raw Sewage	√	20% Potassium Hydroxide (KOH)	√

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-8009 and 1 part of EA-089 activator. The mixed product is usable for 2 hours. Use R-1499 for brushing, rolling and conventional spray applications. R-1799 should be used for airless-spray applications which result in higher film build. Consult TCI for specific application conditions.

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.