TCI COATINGS INC.

EPOXY PRIMER GRAY BASE
LCE1009

DESCRIPTION: A high performance, semi-gloss epoxy designed to cure at ambient temperatures and exhibit excellent resistance properties to a wide variety of chemicals and corrosives. Excellent adhesion, sag resistance and corrosion resistance.

MIX RATIO: 4:1 By Volume with EAFD109

RECOMMENDED USES: Designed for use on airport runway systems, steel tanks, trailers, miscellaneous steel, and concrete. Exhibits good adhesion to poorly prepared steel. Resists petroleum products (crude, sour crude, diesel fuel, hydraulic fluids, etc.), brine and other salt solutions, detergents, and lubricants. Shows excellent holdout for 2K urethane topcoats.

TECHNICAL DATA

Theoretical Coverage (Mix):
1016.34 square ft/ gallon @1 Mil
Weight Per Gallon:
A:12.284 ± 2%
B:7.971± 2%
Mixed: 11.421 ± 2%
Solid Content:
A: 78.44% (Wt.) 62.49% (Vol)
B: 69.88% (Wt.) 66.87% (Vol)
Mixed: 77.24% (Wt.) 63.37% (Vol)
VOC (less water):
A: 2.61 Lbs./ Gal
B: 2.40 Lbs/ Gal
Mixed: 2.57 Lbs/ Gal
Recommended Dry Film Thickness
2.0 – 5.0 Mils dry per coat
Drying Time @70°F, 50%RH
To Touch: 30 – 60 minutes
Dry Hard: 4 – 5 Hrs. Dependent on Temperature & Humidity
Full Cure: 5 – 7 Days

Gloss @60°angle:
Semi-Gloss
Viscosity:
A: 80 – 85 KU
B: 25 - 35 min #2 EZ Zahn Cup @77°F
Mixed: 75 – 80 KU
Organic Solvent:
A: 21.27% (Wt.) 37.51% (Vol)
B: 30.12% (Wt.) 33.13% (Vol)
Mixed: 22.51% (wt.) 36.63% (Vol)
Environmental Codes:
Lead or Chromate Free
Sag: Greater than 10 Mils Wet
Pot Life: 6 -8 Hours
Temperature Limit (Dry):
250°F

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.
- May be forced dried at 150°F for 5.
- If bubbling occurs during forced dry, longer flash times or lower oven temperatures with dwell times may be required.

MIXING AND THINNING

Thoroughly mix 4 parts of the LCE base and 1 part activator. The mixed product is usable for 6 hours. No thinning is required for brushing or rolling. Acetone or **TCI**'s R-1799 should be used to reduce spraying. Prepare material that can be used for the day.

SURFACE PREPARATION

Surfaces to be painted must be dry and free from dirt, loose paint, oil, grease, wax, and other contaminants. All heavy rust and loose mill scale must be removed. Follow SSPC SP2-63 "Hand Cleaning" instructions. Remove oil and grease by washing with R-688 reducer or any other brand of Xylene. Roughen the surface of all slick or glossy substrates by sanding.

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.

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.