



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

EPOXOTHERM

APPLICATION INSTRUCTIONS (8/4/06)

Epoxotherm is a two-part epoxy coating which produces a hard, yet semi-flexible coating film that will have insulation value equal to or greater than four inches of batt insulation. This epoxy coating has four ceramic compounds built into the formulation to reflect sunlight and to slow conduction from radiant heat sources. It was designed for use underwater or in areas where constant splashing or condensation is a problem. Epoxotherm is resistant to chemicals and solvents, and can be applied to metal, concrete, masonry and wood. Epoxotherm is typically applied as an intermediate coat between Moist Metal grip (primer) and Enamo Grip white (topcoat) for exterior use or without topcoat for interior uses (no UV control).

SURFACE PREPARATION

As a primer (concrete, masonry and wood):

- 1) Power wash surface (3,500 psi) with a citrus cleaner to remove dirt, oil, tar, grease and film.
- 2) If salts or chlorides exist on the surface, add Chlor-Rid to the power wash water at the rate of one (1) gallon of Chlor-Rid to every one hundred (100) gallons of water. This will remove the salts and chlorides from the pores of the substrate.
- 3) If existing coating surface is glossed, it must be sanded and roughed before application, no gloss.

As an intermediate coat over Moist Metal Grip to control condensation:

- 1) Follow precisely the recoat window requirement of Moist Metal Grip.
- 2) Ideally, the surface should be dry, however, Epoxotherm is designed to be applied over moist or condensating surfaces without loss of adhesion.

MIXING

- 1) When pail is opened, mix in curing agent.
- 2) Mix for five minutes with a power drill and paddle.
- 3) Let stand for thirty minutes before beginning application.

POT LIFE

Four hours at 70F. degrees, once base and curing agent have been mixed.

APPLICATION

Epoxotherm can be applied by brush, roller or spray; however, the preferred method of application is by spray:

- 1) If application is by spray, use a standard airless sprayer (3,000 psi or more) with a .031 to .033 tip.
- 2) If application is by brush, use a fine bristle brush.
- 3) If application is by roller, use a 1/2-inch nap roller.

NOTE 1: Unless the job specifications state otherwise, Epoxotherm should be applied in four coats, with each coat being 25 mils wet.

NOTE 2: When used in exterior applications, Epoxotherm should be overcoated with Enamo Grip white to prevent against chalking and loss of gloss.

NOTE 3: Minimum applied thickness is a total of 80 dry mils. If condensation is not completely under control, apply additional coats.

MINIMUM SPREAD RATES:

Film Thickness: Steel=16 sq.ft./gallon/per coat

Concrete=12 sq.ft./gallon/per coat

Very porous substrates=10 sq.ft./gallon/per coat

NOTE: For effective insulation value, apply in four coats @ 25 mils wet/20 mils dry, each coat, as a minimum thickness to stop condensation.

CURE TIME

- 1) One hour to touch at 70F. degrees.
- 2) Overcoating window begins at twenty-four hours at 70F. degrees.
- 3) If coated surface is to be submerged, let it cure for two days at 70F. degrees before submerging.
- 4) Fully cures in ten days.

NOTE: It is critical that each coat of Epoxotherm be firmly adhered to the substrate before the next coat is applied. Depending on surface temperature, this may take longer than the twenty-four hour recoat window.

TEMPERATURE

- 1) Apply between 40F. and 120F. degrees.
- 2) Store between 40F. and 120F. degrees according to hazmat standards indicated on MSDS.
- 3) Surface temperature should be no lower than 40F.
- 4) The lower the surface and ambient temperature, the slower the cure time.

CLEAN-UP OF EQUIPMENT

- 1) After completion, spray systems should be flushed and cleaned with MEK or other comparable solvents.
- 2) After completion, brushes and rollers can be cleaned with MEK or comparable solvents, stored and reused.