



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

SUPER THERM[®]

APPLICATION INSTRUCTIONS (8/4/06)

Super Therm is a unique one-part combination of high-performance aliphatic urethanes, elastomeric acrylics, standard acrylics and resin additives in a water-borne formula blended with four specialized heat blocking ceramic compounds. It is an insulating topcoat, and can be applied to metal, concrete, masonry and wood. It should be noted, however, that the ceramics offer a slight texture versus a smooth finish.

SURFACE PREPARATION

*It is a good practice to do a qualitative test for salts. If salts are present, use Chlor*Rid as directed.*

New/previously coated concrete, masonry, wood:

- 1) Power wash surface (3,500 psi) with a citrus cleaner to remove dirt, oil, tar, grease, contaminants and previous coatings not tightly bonded.
- 2) Surface must be completely dry and clean.
- 3) If surface was not previously sealed, apply SP Primer as directed.
- 4) Apply Super Therm directly to the surface.
- 5) If existing coating surface is glossed, it must be sanded and roughed before application, no gloss.

New/previously coated metal:

- 1) Power wash surface (3,500 psi) with a citrus cleaner to remove dirt, oil, tar, grease, contaminants and previous coatings not tightly bonded. Allow to dry thoroughly.
- 2) Apply Rust Grip according to prescribed application instructions and coating thickness.
- 3) Allow the Rust Grip to cure for four hours or until dry to the touch.
- 4) Apply Super Therm over the Rust Grip.

NOTE: If pack rust, scale or bright glossy surfaces exist, they must be removed by grit blast, power tool or needle gun. Once removed, begin with step 1 (power wash).

Harsh environments, where color is desired, or where pooling may occur:

- 1) Super Therm should be overcoated with Enamo Grip (solvent-based) over metal or concrete, or Enamo Grip WB over flexible substrates (foam, tar, rubber and wood).

MIXING

- 1) Super Therm should be mixed mechanically or by hand for three minutes, and then applied.

APPLICATION

Super Therm can be applied by brush, roller or spray:

- 1) If application is by brush, use a soft or medium bristle brush. It will take two coats to achieve the desired thickness when using a brush.
- 2) If application is by roller, use a 3/4 inch nap roller. It will take two coats to achieve the desired thicknesses when using a roller.
- 3) If application is by spray, use a standard airless sprayer (3,000 psi or less) with a carbon steel or titanium tip sized between .029 and .032. **ALL FILTERS SHOULD BE REMOVED FROM THE GUN HANDLE AND SPRAY MACHINE PRIOR TO APPLICATION AS THEY WILL TRAP THE CERAMICS.**

NOTE 1: If Super Therm is applied during a period of high humidity or if there is rain after application, bubbles may appear on the surface. Do not puncture the bubbles. This is normal and the coating will continue to cure with no effect on the performance or appearance of the coating. Bubbles will disappear without a trace or imprint.

NOTE 2: Under no circumstances should Super Therm ever be applied to a thickness of less than sixteen (16) mils wet.

NOTE 3: Never apply directly over rust.

NOTE 4: Never dilute or thin.

MINIMUM SPREAD RATE:

Super Therm will be applied at no less than at total of 16 mils wet/10 mils dry (100 sq/ft per gallon).

CURE TIME

- 1) One hour to touch at 70F. degrees and bright sun.
- 2) Overcoating window at 70F. degrees is next day or longer.
- 3) Fully cures in twenty one days.

TEMPERATURE

- 1) Apply between 50F. and 100F. degrees.
- 2) Store between 40F. and 100F. degrees.

CLEAN-UP OF EQUIPMENT

- 1) After completion, spray systems should be cleaned with soap and water.
- 2) After completion, brushes and rollers can be cleaned with soap and water, stored and reused.