



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

RUST GRIP[®] HS

APPLICATION INSTRUCTIONS (8/4/06)

Rust Grip/HS is a one-part, moisture-cured polyurethane that can be used as a primer, topcoat or encapsulant. It can be applied to metal, concrete, masonry and wood, and meets the strictest VOC requirements in lieu of Rust Grip.

SURFACE PREPARATION

New construction (metal, concrete, masonry, wood):

- 1) Power wash surface (3,500 psi) with a citrus cleaner to remove dirt, oil, tar, grease and film. In coastal areas, Chlor-Rid should be used in addition to the citrus cleaner to remove salts.
- 2) Surface must be completely dry (if surface moisture persists, wipe down with Acetone prior to application).

NOTE: Flash rust on the substrate surface will not hinder the adhesion strength of Rust Grip. Rust Grip can be applied directly over flash rust when completely dry.

Previously coated (metal, concrete, masonry, wood):

- 1) Power wash surface (3,500 psi) with citrus cleaner to remove loose or flaking paint, and to clean the surface of dirt, oil, tar, grease and film. Chlor-Rid should also be used to remove salts.
- 2) Wipe down with Acetone to remove any loose particles and to completely dry the surface.
- 3) Surface must be completely dry before applying the coating.
- 4) If existing coating surface is glossed, it must be sanded or roughed before application, no gloss.

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

MIXING

- 1) Rust Grip/HS can be mixed by hand or with a power drill using low speed.
- 2) When the container is opened, the coating will be a yellowish green color. Mix continuously until the entire surface of the coating turns a silver gray color. Once the coating color is completely silver grey, mix for two more minutes making sure the paste is off of the bottom. (Metallics are visible when the coating is stirred properly.)

NOTE: Once a container is opened, the product must be used or repackaged and sealed well in an unlined metal can. If left open, the product will harden in the container.

POT LIFE

Four hours at 70F. degrees, and 60% humidity or higher.

APPLICATION

- 1) Rust Grip/HS can be applied by brush (soft bristle), roller (1/4-inch nap) or spray (use a standard airless sprayer--3,000 psi or less--with a .015 tip).
- 2) In all applications (brush, roller or spray), use the cross-hatch method (side-to-side, then top-to-bottom) slowly to prevent pinholes.
- 3) If using a brush or roller, keep them very wet at all times to insure proper coverage.
- 4) If spraying, use half-speed and cross hatch to insure proper coverage.
- 5) If encapsulating rust, lead-based paint, other bio-hazardous materials or bridges, brushing is the preferred application method. Apply the first coat by brush (keeping it very wet at all times), using the cross-hatch method. Go about 30 feet then return to the beginning and apply a second coat identical to the first. This method will insure the coating is worked into the pores and fully encapsulates the existing surface to, while leaving enough coating over the surface to avoid pinholes.
- 6) Overcoating Rust Grip/HS with Rust Grip/HS has to be done within four hours or less. All other compatible overcoatings have to be utilized within 14 days.

NOTE 1: The number of coats necessary and the thickness of each coat will be in accordance with the job specifications.

NOTE 2: If Rust Grip/HS is applied too thickly, the top will set up before the off-gassing is complete, creating surface bubbles.

CURE TIME

- 1) Two hours to touch at 70F. degrees.
- 2) Overcoating window is four hours at 70F. degrees and up to two weeks. The exception is overcoating Rust Grip with Rust Grip, which has to be done within four hours or less.
- 3) Fully cures in thirty days.

TEMPERATURE

- 1) Apply between 30F. and 100F. degrees.
- 2) Store between 30F. and 100F. degrees according to hazmat standards indicated on MSDS.

CLEAN-UP OF EQUIPMENT

- 1) If breaks are taken, spray systems should be flushed with solvent.
- 2) After completion, spray systems should be flushed and cleaned with solvent.
- 3) After completion, brushes and rollers should be discarded.