



ENAMO GRIP

TECHNICAL DATA SHEET (9/10/07)

DESCRIPTION:

ENAMO GRIP is a two-part polyurethane enamel that forms a uniquely hard and durable coating film, which demonstrates unsurpassed semi-gloss retention, color retention, and chalk resistance when used in exterior applications. It is resistant to water and humidity, stains, acids, solvents, and chemicals, as well as having tremendous scuff, mar- and impact-resistance.

Although available in colors, ENAMO GRIP (clear) provides exceptional graffiti resistance and protection. Krylon spray paints, magic markers, etc. can be removed completely with SPI's GRAFFITI CLEANER. ENAMO GRIP can withstand repeated incidents of graffiti removal as it is resistant to solvents. It can provide tremendous cost savings by eliminating blasting and re-painting of graffiti affected surfaces on trains, buses, trams, and buildings.

The formula of resins in ENAMO GRIP will spread and self-level into an even, and smooth finish. No brush marks when applied by brush.

TYPICAL USES:

- * For architectural and maintenance situations that require the utmost in exterior durability.
- * As a topcoat for RUST GRIP and MOIST METAL GRIP.
- * As a coating system for graffiti protection.
- * As a floor covering where a tough, long-lasting finish is required. The coating has non-skid characteristics built into the formulation.
- * Anywhere that a UV-resistant topcoat is required.

APPLICATION METHODS:

ENAMO GRIP can be applied to metal, concrete, masonry, wood, and other porous surfaces. The application can be by spray, brush, or roller. For specific instructions on surface preparation, mixing and application, please refer to the SPI's application instructions for ENAMO GRIP.

PHYSICAL DATA:

- * Solids: By weight 60%/By volume 45.9%
- * Dry Time: One hour to touch/overcoat window is three hours, or longer
- * Lead and Chromate free
- * Cures by moisture in the air and heat reactivity
- * Weight: 9.8 lbs. per gallon
- * Vehicle Type: Aliphatic polyurethane
- * Shelf Life: Up to 3 years (unopened) under appropriate storage conditions (see MSDS)
- * VOC Level: Clear finish--537 grams per liter; Black, 523 grams per liter
- * Impact Resistant: 160 psi front/100 psi back

- * Heat resistance 2.3% mass lost @ 249.8C. deg. (482F.). Limit: 20% mass lost @ 350C. deg. (662F)
- * Mix ratio: 1 part curing agent to 3 parts base
- * Pot Life: 4 hours @ 70F./ 1 hour @ 90F. (if temperature exceeds 90F., mix base + curing agent and apply immediately)
- * Colors available with established minimum quantities

TESTS AND CERTIFICATIONS:

- 1) USDA Approved
- 2) Marine Approvals for salt water/maritime use:
 - *US Coast Guard
 - *ABS (American Bureau of Shipping)
 - *IMO (International Marine Organization)
- 3) Flame Spread (ASTM E84) Class A fire rating
- 4) Abrasion (ASTM D4060)

SAFETY PRECAUTIONS:

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas.

This coating is flammable. Keep away from flame, fire, or other sources of ignition.

KEEP OUT OF REACH OF CHILDREN.

For more specific safety procedures, please refer to the ENAMO GRIP Material Safety Data Sheet.

MINIMUM SPREAD RATES:

- Concrete, Masonry** -- Apply 2 coats @ 200 sq.ft./gallon, each coat (18 sqmtr/gal., each coat)
8 mils wet, 3.67 mils dry (200 microns wet, 92 dry)
- Metal** -- Apply @ 250 sq.ft./gallon (23.5 sqmtr/gal.)
6.5 mils wet, 3 mils dry (165 microns wet/75 dry)

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