



ENAMO GRIP 3700

Technical Data Sheet (5/16/14)

DESCRIPTION

ENAMO GRIP 3700 is a two-part aliphatic polyurethane enamel, based on the same chemistry as ENAMO GRIP, yet designed using a silicone additive for additional surface slickness. It is resistant to water and humidity, stains, acids, solvents, and chemicals, as well as having tremendous scuff, mar and impact resistance. ENAMO GRIP 3700 will self-level to an even and smooth finish.

TYPICAL USES

- For architectural and maintenance solutions that require the utmost in exterior durability and low dirt retention;
- As a topcoat for RUST GRIP® and MOIST METAL GRIP;
- For anti-graffiti protection;
- Anywhere that a UV-resistant topcoat is required;
- Average alkali resistance and average acid.
- When a slick finish is needed;

APPLICATION METHODS

ENAMO GRIP 3700 can be applied to primed metal, concrete, masonry, wood and other porous surfaces. The application can be by brush, roller, or airless sprayer. For specific instructions on surface preparation, mixing and application, please refer to the SPI's application instructions for ENAMO GRIP 3700.

NOTE: This product must not be applied on or within 2 inches of chlorinated rubber.

NOTE: Never use mineral spirits to prep surfaces or to thin this product.

MINIMUM SPREAD RATE (mil thickness)

Porous Surfaces – Apply 2 applications of RUST GRIP® or ENAMO GRIP @ 200 sq ft/gallon (18 sq. mtr./gallon); 8 mils wet / 3.52 mils dry (200 microns wet/88 dry) to absorb into substrate. Apply 2 additional applications of ENAMO GRIP 3700 @ 200 sq. ft. per gallon; 8 mils wet / 3 mils dry (200 microns wet/75 dry), each application.

Non-Porous Surfaces – First apply RUST GRIP® as a primer and apply ENAMO GRIP for color if needed. Then apply 2 applications of ENAMO GRIP 3700 at 200 sq. ft. per gallon (18 sq mtr/gallon); 8 mils wet/3 mils dry, each application.

Clear Coat Only – Apply 3 applications of ENAMO GRIP 3700 @ 200 sq. ft. per gallon (18 sq. mtr./gallon) at 8 mils wet/3 mils dry each application.

PHYSICAL DATA

- ◆ Reacted Solids: Clear - By weight: 44% / By volume: 39%
- ◆ 30-60 minutes to tack free at 70°F (21°C)
- ◆ Overcoat window is three hours or less at 70°F (21°C)
- ◆ Lead-free / Chromate free
- ◆ Cures by chemical reaction
- ◆ Reacted Weight: 8.31 lbs/gallon
- ◆ Aliphatic Polyurethane
- ◆ Shelf Life: Up to 3 years (unopened) under appropriate storage conditions (See MSDS)
- ◆ Reactive VOC - Clear: 4.51 lbs/gal; 540 grams/liter
- ◆ Mix Ratio: 3 parts base to 1 part curing agent by volume
- ◆ Pot-Life: 4-6 hours @ 70°F (21C), 1 hour at 90°F (32°C). In hot climates (95°F-35°C and above) pot life can reduce to 1.5 hour. Set pails in ice or ice water to extend pot life.
- ◆ Maximum Surface Temperature when applying: 150°F (65°C)
- ◆ Minimum Surface Temperature when applying: 40°F (5C)
- ◆ Maximum Surface Temperature after curing: 300°F (149°C)
- ◆ In hot (90°F) temperatures and 85% relative humidity (RH) climates, cut the ENAMO GRIP 3700 4-gallon kit with one quart of MAK solvent (Methyl n-Amyl Ketone) to slow down the flash off and skinning of the surface film.

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. For more specific safety procedures, please refer to the ENAMO GRIP 3700 Material Safety Data Sheet. **KEEP OUT OF THE REACH OF CHILDREN.**

LIMITATION OF LIABILITY: The information contained in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by SPI, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge is reliable. The products and information are designed for users having the requisite knowledge and industrial skills, and the end-user has the responsibility to determine the suitability of the product for its intended use.

SPI has no control over either the quality of condition of the substrate, or the many factors affecting the use and application of the product. Therefore, SPI does not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The information contained in this data sheet is subject to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and the user has the responsibility to ensure that this sheet is current prior to using the product.