



# SPI COATINGS

PROVEN PERFORMANCE • REAL WORLD SOLUTIONS

**INSULATION  
AND  
CORROSION  
SPECIALISTS**

## ENAMO GRIP II

### Application Instructions (8/6/25)

ENAMO GRIP II is a two-part ultra-low VOC water-based polyurethane coating.

#### **SURFACE PREPARATION**

Surface must be clean from oil, tar, rust, grease, salt, and films.

- 1) Use general degreaser, if needed.
- 2) Clean surface using TSP (tri-sodium-phosphate) or a citrus cleaner to release dirt and degreaser residue.
- 3) Pressure-wash, if possible, approximately 3500 psi.
- 4) Salt contamination on the surface can develop as a result of saltwater, fertilizers, and car exhaust. Use Chlor-Rid or equivalent to decontaminate surface, if salts are present. Acceptable levels: Nitrates: 5-10 mcg/cm<sup>2</sup>, Sulfates: 5-10 mcg/cm<sup>2</sup>, Chlorides: 3-5 mcg/cm<sup>2</sup>

**Surface must be completely dry before applying.**

- 1) ENAMO GRIP II must be applied during proper temperatures (below) and the prescribed overcoat window of the coating over which it will be applied.
- 2) If applied over an existing coating having a glossed or shiny finish, it must be sanded and roughed to remove gloss before application, to improve the profile.
- 3) Additional coats of ENAMO GRIP II can only be applied when the 1<sup>st</sup> coat becomes tacky to the touch and has no transfer of coating up to 24 hours. After this stage, the surface must be lightly sanded to improve the profile.

#### **MIXING**

- 1) Open pail, mix base with curing agent (2 parts base: 1 part curing agent) (ratio by weight or volume)
- 2) Mix by hand for two minutes or by using a drill and mixing blade for a minimum of 30 seconds with NO vortex with a minimum of a 3-inch mixing blade per industry standard best practice.

#### **APPLICATION**

ENAMO GRIP II can be applied by brush, roller or spray.

- 1) If application is by brush, use a soft bristle brush.
- 2) If application is by roller, use a 1/4-inch nap roller.

**NOTE:** If rolling/brushing, add 2 oz. potable water per gallon.

- 3) If application is by spray, use a standard airless sprayer (1.5 gallons/minute at 3,300 psi.) with a .011-.015 tip.

- **NOTE:** The number of applications and the thickness of each should be in accordance with the job specifications.
- **NOTE:** Temperatures must always be a minimum of 5 degrees above the dew point during application.
- **NOTE:** In hot (90°F) temperatures and 85% humidity climates, cut the ENAMO GRIP II 3-gallon kit with one quart of potable water to slow down the flash off and skinning of the surface film.

#### **APPLICATION OVER CAULK**

Only use a high performance, paintable caulk.

#### **TEMPERATURE**

- 1) Apply between 40°F (4°C) and 100°F (38°C).
- 2) Maximum temperature for continuous use once fully cured is 300°F (149°C).
- 3) Store unmixed product in original packaging between 40°F (4°C) and 100°F (38°C) according to SDS recommendations.

#### **MINIMUM SPREAD RATES (mil thickness)**

**Porous Surfaces** – Apply 1 application of RUST GRIP® or ENAMO GRIP II @ 275 sq ft/gallon (25 sq mtr/gallon); 6 mils wet / 3.47 mils dry (150 microns wet / 85 dry) to absorb into substrate. Apply 1-2 additional coats of ENAMO GRIP II @ 275 sq ft/gallon; 6 mils wet / 3.47 mils dry, each application, as needed.

**Non-Porous Surfaces** – Apply 1 coat of ENAMO GRIP II @ 275 sq ft/gal. (25 sq mtr/gal.); 6 mils wet (150 microns)/3.47 mils dry (85 microns), as an architectural coating. Apply a 2nd coat, if needed, of ENAMO GRIP II in areas that may have machine or foot traffic, handrails, or anywhere there is consistent wear on the surface, as needed.

#### **Clear Coat Only**

Apply 1-3 applications as needed of ENAMO GRIP II @ 275 sq.ft./gallon (25 sq.mtr/gallon); 6 mils wet/3.47 mils dry (150 microns we/85 dry) each application.

#### **POT LIFE**

4-6 hours at 70°F (21°C) - 1 hour at 90°F (32°C). In hot climates (95°F-35°C and above) pot life can be reduced to 1/2 hour. Set pails in iced or ice-water to extend pot life.

#### **CURE TIME**

- 1) 30-60 minutes to tack free at 70°F (21°C).
- 2) Overcoat window is dry to touch after 24 hours at 70°F (21°C).
- 3) If the temperature is greater than 90°F (32°C), overcoat window and pot life is shortened to 1 hour.
- 4) Fully cured in ten days.

#### **CLEAN-UP EQUIPMENT**

- 1) Clean with soap and water.



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### Technical Data Sheet (8/6/25)

#### **DESCRIPTION**

ENAMO GRIP II is a two-part ultra-low VOC water-based polyurethane coating available in clear and specific colors. It forms a uniquely hard and durable coating film, which demonstrates unsurpassed semi-gloss and color retention, as well as chalk resistance when used in exterior applications. It is resistant to water and humidity, stains, mild solvents, and mild chemicals, as well as having tremendous scuff, mar and impact resistance. ENAMO GRIP II will self-level to an even and smooth finish.

#### **TYPICAL USES**

- For architectural and maintenance solutions that require the utmost in exterior durability;
- As a topcoat for RUST GRIP® and MOIST METAL GRIP;
- As a floor covering where a tough, long-lasting finish is required.
- Anywhere a water-based UV-resistant topcoat is required.

#### **APPLICATION METHODS**

ENAMO GRIP II can be applied to 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 II.

**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)**

##### **Pigmented coating**

**Porous Surfaces** – Apply 1 application of RUST GRIP® or ENAMO GRIP II @ 275 sq ft/gallon (25 sq mtr/gallon); 6 mils wet / 3.47 mils dry (150 microns wet / 85 dry) to absorb into substrate. Apply 1-2 additional coats of ENAMO GRIP II @ 275 sq ft/gallon; 6 mils wet / 3.42 mils dry, each application, as needed.

**Non-Porous Surfaces** – Apply 1 coat of ENAMO GRIP II @ 275 sq.ft./gal. (25 sq.mtr./gal.); 6 mils wet (150 microns)/3.47 mils dry (85 microns), as an architectural coating. Apply a 2nd coat of ENAMO GRIP II in areas that may have machine or foot traffic, handrails, or anywhere there is consistent wear on the surface, as needed.

##### **Clear Coat Only**

Apply 1-3 applications of ENAMO GRIP II @ 275 sq. ft. per gallon (25 sq. mtr./gallon) ; 6 mils wet / 3.47 mils dry (150 microns wet / 85 dry), each application (See Application Instruction), as needed.

#### **TESTS AND CERTIFICATIONS**

Pending test results

#### **PHYSICAL DATA**

- ◆ Reacted Solids: White - By weight: 64% / By volume: 61%
- ◆ Reacted Solids: Clear HG - By weight: 61% / By volume: 60%
- ◆ Viscosity: 300-470 centipoise
- ◆ 1-2 hours to tack free at 70°F (21°C)
- ◆ Overcoat window is four hours or less at 70°F (21°C)
- ◆ Cures by chemical reaction
- ◆ Reacted Weight: White: 9.67 lbs/gallon; Clear: 8.97 lbs/gallon
- ◆ Shelf Life: Up to two years (unopened) under appropriate storage conditions (See SDS)
- ◆ Reactive VOC - White: 0.18 lbs/gal; 22 grams per liter
- ◆ Reactive VOC - Clear: 0.18 lbs/gal; 22 grams/liter
- ◆ Mix Ratio: 2 parts base to 1 part curing agent by volume
- ◆ Pot-Life: 4-6 hours at 70°F (21°C), 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.
- ◆ All colors available with established minimum ordered quantities
- ◆ Maximum Surface Temperature when applying: 150°F (65°C)
- ◆ Minimum Surface Temperature when applying: 40°F (5°C)
- ◆ Maximum Surface Temperature after curing: 300°F (149°C)
- ◆ In hot (90°F) temperatures and 85% relative humidity (RH) climates, cut the ENAMO GRIP II 3-gallon kit with one quart of distilled water 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. For more specific safety procedures, please refer to the ENAMO GRIP II Safety Data Sheet. **KEEP OUT OF 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.