



# ENAMO GRIP Series

## Application Instructions (6/21/17)

ENAMO GRIP is a two-part polyurethane enamel that forms a uniquely hard and durable coating film.

### SURFACE PREPARATION

Surface must be clean from oil, tar, rust, grease, salts, 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 @ 3500 psi.
- 4) Salt contamination on a surface can come as a result of salt water, 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 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 can only be applied when the 1<sup>st</sup> coat becomes tacky to the touch and has little to no transfer of coating. After this stage, the surface must be lightly sanded to improve the profile.

### MIXING

- 1) Open pail, mix base with curing agent (3 parts base : 1 part curing agent) (ratio by volume, not by weight)
- 2) Mix by hand for two minutes, or using drill and mixing blade for a minimum of 30 seconds with NO vortex.

### APPLICATION

ENAMO GRIP can be applied by brush, roller or spray; however, the preferred method is by air or airless sprayer.

- 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. Bubble Breaker per gallon or a back-roll technique can be used by rolling on first coat, let tack and roll on second coat. Use a brush to sweep back over film that will eliminate bubbles trapped by the rolling action.

- 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:** It may be necessary to use a "bubble breaker" when using a brush or roller.
- **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 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.

### APPLICATION OVER CAULK

Only use a high performance, solvent-borne, polyurethane caulk. (Do not use a water-borne caulk or one that is water soluble.)

### TEMPERATURE

- 1) Apply between 40°F (4°C) and 100°F (38°C).
- 2) Maximum temperature for continuous use when cured is 300°F (149°C).
- 3) Store unmixed product between 40°F (4°C) and 100°F (38°C) according to hazmat standards on MSDS.
- 4) Mix base and curing agent and use immediately if ambient temperature is above 60°F (16°C). If below 60°F (16°C), allow mixed product to stand for 30 minutes before using.

### MINIMUM SPREAD RATES (mil thickness)

**Porous Surfaces** – Apply 1 application of RUST GRIP® or ENAMO GRIP @ 200 sq ft/gallon (18 sq mtr/gallon); 8 mils wet / 3.92 mils dry (200 microns wet / 98 dry) to absorb into substrate. Apply 2 additional coats of ENAMO GRIP @ 200 sq ft/gallon; 8 mils wet / 3.92 mils dry, each application.

**Non-Porous Surfaces** – First apply RUST GRIP® as a primer; then apply 1 coat of ENAMO GRIP @ 200 sq ft/gal. (18 sq mtr/gal.); 8 mils wet (200 microns)/3.92 mils dry (98 microns), as an architectural coating. Apply a 2nd coat of ENAMO GRIP in areas that may have machine or foot traffic, handrails, or anywhere there is consistent wear on the surface.

### Enamo Grip Clear Spread Rate:

**High Gloss**- at 406 sq.ft./gal (36 mtr/gal) 3.9 mils wet (99 microns) 1.5 mils dry (37 microns).

**Semi Gloss**- as 395 sq.ft./gal (36.6 mtr/gal) 4 mils wet (102 microns) 1.6 mils dry (40 microns).

**Matt**- at 386 sq.ft./gal ( 35.8 mtr/gal) 4.1 mils wet (104 microns) 1.7 mils dry (43 microns).

### POT LIFE

4-6 hours at 70°F (21°C) - 1 hour at 90°F (32°C)

### CURE TIME

- 1) 30-60 minutes to tack free at 70°F (21°C).
- 2) Overcoat window is three hours or less at 70°F (21°C).
- 3) If temperature is over 90°F (32°C), overcoat window and pot life is shortened to 1 hour.
- 4) Fully cures in ten days.

### CLEAN-UP EQUIPMENT

- 1) During breaks, spray system should be flushed with solvent.
- 2) After completion, spray systems should be flushed and cleaned with MEK or other comparable solvents.
- 3) After completion, brushes and rollers should be cleaned with MEK or other comparable solvents, stored and re-used.