

Overview

Enamelgard is a two component, high solids, high-gloss epoxy protective coating formulated to provide a tough, durable and chemically resistant floor finish. It is highly impervious to gas and oil spillage, formulated for concrete garage, show room, warehouse and shower room floors. Enamelgard is highly recommended for rough wear and tear with tow-motor traffic.

Supplies Needed:

CLEAN AND PREP SOLUTION by Ramuc, the complete surface preparation product (use with a garden sprayer) to clean and etch the surface prior to painting.

Or use:

Cleaning and surface preparation products:

Tri-sodium phosphate (TSP)

Muriatic or sulfamic acid (follow manufacturer's instructions)

Condensation test material:

Several one-foot square transparent pieces of plastic

Duct tape

Painting supplies:

No thicker than 3/8" nap roller covers used for solvent based paint

Paint brush for detailing

5 gallon bucket for boxing (intermixing) paint

Mechanical mixer (this simply can be a paddle attachment to a power drill)

Ramuc Thinner or xylene for thinning paint, cleaning-up tools and spills

The keys to a successful job are proper SURFACE PREPARATION AND CORRECT APPLICATION.

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General Surface Preparation

Vacuum or sweep all loose matter off. Remove all grease or oil stains by scrubbing with a degreaser or using mineral spirits. Wipe all excess cleaning material with rags or paper towels, disposing of properly. Rinse thoroughly with clean water. Proceed to clean with TSP and rinse; acid etch, followed by a TSP solution to neutralize. OR mix **Clean and Prep Solution** at a 5 to 1 ratio of water to product. Wet a 10' x 10' area with clean water and apply the solution with a garden sprayer. With a stiff-bristled brush, scrub the material into the surface until the foaming action stops. Flush and scrub the cleaned area thoroughly, at least 2 or 3 times with water. Use a foam squeegee to remove all rinse water before allowing the entire surface to completely dry. The dry surface must feel like 100-grit sandpaper. Thoroughly ventilate with fans to help the drying process.

CONDENSATION TEST –To determine dryness, perform this simple test – Duct tape 1' x 1' pieces of transparent plastic to the deep end wall and floor, and on several other areas of the pool. Wait overnight to determine if condensation has formed underneath the plastic. If condensation has formed underneath the plastic then the surface is not dry enough to paint. Remove the plastic and wait 24 hours to perform the test again.

Test for adhesion by applying 2-4 strips of duct tape on various areas of the surface then removing each slowly. If any foreign matter (dirt, oils paint, etc.) is attached to the tape, the surface needs to be cleaned further before painting.

MIXING:

- a) Mechanically mix Part A for approximately 2 minutes.
- b) Mechanically mix both Part A and Part B together for approximately 5 minutes.

Allow the admixed paint to set for 15–30 minutes (induction time) prior to use at 70°F and 50% relative humidity. At 65°F., the induction time is 45 minutes. Lower temperatures and higher humidity will affect the final cure of the coating. If mixing more than the one 1 gallon kit at a time, intermix the kits to ensure color uniformity. Enamelgard has a pot life (use life) of 8 hours.

Application

Use no thicker than a 3/8" nap mohair or lambskin roller used for solvent based paint. Apply at the recommended coverage rate. Ideal air temperatures for application are between 50°–90°F. Surface temperature should consistently be at least 50°F.

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Cure Rates

Dry time to touch: 3 hours

To recoat: 12–72 hours. If second coat is applied beyond 72 hours, the first coat must be abraded/sanded prior to applying second coat.

Cure time before traffic: 5 days

Finish: High gloss, tile like

Primer: All Ramuc paints are self-priming, no other primers are to be applied.

Coverage Rates

175–200 sq. ft. / gallon on bare or rough surfaces.

400–450 sq. ft. / gallon on recoats or smooth surfaces

(Actual coverage will vary and is dependent upon the texture and profile of the surface.)

Minimum dry film per coat: 1.7 mils dry (2.8 mils wet)

Maximum dry film per coat: 2.0 mils dry (3.2 mils wet)

Pot life: 8 hrs. (@ 70°F and 50% relative humidity)

Technical Data

Clean up: xylene solvent

Solids by weight: 73%± 1% admixed

Solids by volume: 60% ± 1% admixed

Pounds/gallon : 11.50± 0.3 part A

7.8± 0.2 part B

V.O.C.: Does not exceed 336 g/l (admixed product)

Spray Information

Conventional Air: 50-70 p.s.i.

Tip size: .042–.055 orifice

Airless: 2000–2300 p.s.i.

Tip size: .017–.021

RAMUC®

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