RAMUC POOL PAINT

EP Epoxy

High Gloss Epoxy Pool Paint

TECHNICAL BULLETIN 11-13

- High solids, high gloss epoxy pool paint
- For bare concrete, fiberglass, plaster and previously painted epoxy.
- Up to 3 years service life
- Great for Koi ponds, hot tubs, spas and fountains.
- VOC compliant in US and Canada

EP Epoxy cures to a hard, tough, durable finish, providing stain, chemical and abrasion resistance for protection of concrete, plaster and fiberglass swimming pools, spas and slides. EP Epoxy cures to a high gloss-finish with excellent coverage rates, especially on previously painted epoxy surfaces. EP Epoxy has been a proven performer for more than 50 years. Because of their chemical cure, epoxies are the paints of choice for indoor pools.

PHYSICAL DATA

VEHICLE TYPE: Epoxy Polyamide
FINISH: High Gloss
COLORS:
AquaGreen, White, Black, Dawn Blue, Monument Gray, Dark Blue, Vermillion, Royal Blue
COMPONENTS: 2
Mix Ratio 2:1 by volume A:B
Pot Life—8 Hours
CURING MECHANISM: Chemical Cure
SOLIDS (theoretical):
By weight...73 +/- 2%
By volume...60 +/- 3%
COVERAGE: 500 sq. ft/gal.
VOC: 340 g/l max. (as supplied)
FLASH POINT: 60°F (SETA)

APPLICATION DATA

METHOD: Brush, Use no thicker than 3/8" Mohair or Lambskin Roller, Airless or Conventional Spray.
NUMBER OF COATS: 2 (Product is self –priming)
DRY FILM THICKNESS PER COAT: Minimum 1.7 mils; 2.9 wet mils. Maximum 2 mils; 3.3 wet mils.
APPLICATION TEMP: 50° F. Min. / 90°F. Max.
DRY TIME* 5-7 Days Outdoor pool to fill pool
10-14 Days Indoor pool to fill pool
To Recoat: 12-72 Hours

THINNER:
Ramuc Thinner

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APPLICATION INFORMATION

Compatibility: For compatibility purposes, the existing paint on previously painted surfaces of a pool or spa should be determined before painting. Aged plaster should be checked for integrity. Check for hollow or weak/crumbling plaster by using a ball-peen hammer or any other comparable method. Perform repairs on the plaster before painting.

Use dark colors for accent painting only Dark colors can prematurely fade or blister, especially in chemically treated water.

Joint and Crack filler: Plaster or concrete surfaces should be tested for integrity and soundness. Power wash the surface to remove loose paint and dirt. Should any minor repairs need to be made, such as hydrologic cement patch or crack joint filling, do them at this time. We suggest using Durathane polyurethane sealant. Do not use silicone-based products, as paint adhesion will be adversely affected. Durathane must be top-coated before being submersed in chemically treated water. For compatibility purpose, the existing paint on previously painted surfaced of a pool or spa should be determined before painting. Aged plaster should be checked for integrity. Check for hollow or weak/ crumbling plaster by using a ball-peen hammer or any other comparable method. Perform repairs on the plaster before painting.

Surface Preparation: Coating performance, in general, is proportional to the degree of surface preparation. Follow recommendations carefully, avoiding shortcuts. Inadequate preparation of surfaces will virtually assure inadequate coating performance. We recommend using Clean and Prep Solution by Ramuc, the complete surface preparation product to clean and etch surfaces prior to painting. It takes the place of TSP/Etch/TSP. Use a 3500 p.s.i. minimum power washer. Follow package directions carefully.

As an alternative, use Tri-sodium phosphate (TSP), Sulfamic or muriatic acid solution and high-pressure (3500 p.s.i.) minimum power washer. Scrub the entire pool surface with TSP solution to remove all dirt, oils and chalk. All surfaces should then be acid etched with 15-20% solution of sulfamic or muriatic acid to remove mineral deposits and to achieve a medium sandpaper grade finish on bare concrete or plaster surfaces. Neutralize/rinse with TSP and water. If surface is exceptionally hard, we recommend sanding with 60-80 grit sandpaper to create surface profile, prior to applying the first coat of EP.

New concrete and plaster surfaces must be cured a minimum of 28 days prior to painting.

Condensation Test: After all cleaning is completed, allow the pool surface to dry. Average dry times vary regionally and are dependent upon the porosity of the surface. It is recommended to wait 5 dry sunny days then perform a condensation test to determine surface dryness.

- Tape 1"x1' pieces of transparent plastic to areas in the deep end wall, floor and several of the other areas of the pool.
- Wait about 4 hours to determine if condensation has formed underneath the plastic.
- If condensation is evident, the surface is not dry enough to paint.
- Remove the plastic and wait 24 hours to perform the test again and continue until no condensation forms. This insures that the surface is dry enough to apply paint.

Application: Use no thicker than a 3/8" nap roller used for solvent based paints. DO NOT use rollers with cardboard cores. Apply at the recommended coverage rate. Ideal air temperatures for application are between 50º and 90º F. Surface temperature should be at least 50º F, no more than 90º F. Overnight curing temperatures must be at least 50º F or the paint will not cure properly causing an "oily" feel to the top of the paint. Do not paint when rain is imminent.

Mixing the paint: EP Epoxy is self-priming; no other type of primer is recommended or should be used.

a. Mechanically mix Part A for approximately 5 minutes

b. Mechanically mix Part B for approximately 5 minutes

c. Mechanically mix both part A and Part B together for approximately 15 minutes.

Mixing with a stir stick is not recommended. Type EP has a pot life (use life) of 8 hours.

Once mixed allow the material to stand at 65º F and above for 30 minutes. Allow to stand at I hour at temperatures 50—65º to ensure chemical reaction before using. If material is used to soon after mixing or if pool is filled to soon after application yellowing or loss of gloss can occur. If more than one gallon kit is used at a time intermix several gallons together.

Spray Information: Airless: 2000—2300 p.s.i. Tip Size: .0.33 -.0.43

Coverage: 175—200 sq. ft. per gallon kit on bare, sand blasted or rough surfaces

400-450 sq. ft. per gallon kit on re-coats

(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..9 mils wet)

Maximum dry film per coat : 2.0 mils dry (5.7 mils wet)

Pot life— Use life: 8 hours @ 70º F and 50% relative humidity

Clean up: Ramuc Thinner or Xylene