Specification Provided To: **DATE:**

JOB

Number of Pages: 3

GENERAL

1.1 The existing paint on previously painted surfaces for a pool or spa should be determined for compatibility purposes. If existing surface is unknown, a sample should be submitted for testing to determine the type of existing surface. Paint chips can be taken to any Ramuc distributor/dealer to be forwarded to the Ramuc laboratory for analysis.

1.2 Newly poured concrete must cure for 28 days prior to painting.

PRODUCT DESCRIPTION

2.1 Type EP Hi Build Epoxy Paint, 9122 – for application to concrete, plaster, gunite, or fiberglass surfaces. Use epoxy coatings for spas where high water temperatures exist.

2.2 Abrasion material used to create a medium grade sandpaper finish for fiberglass surfaces or previously painted epoxy surfaces:

a) Sandpaper #80 grit, power sander, or wire brush

2.3 Cleaning products:

a) Tri-sodium phosphate (TSP)
b) Muriatic or sulfamic acid solution
c) OR Ramuc Clean and Prep Solution can be used to clean (TSP) and preparation (acid wash); the above two steps.
d) No larger than 3/8" nap mohair metal, lambskin, phenolic core roller
e) 5 gallon bucket for boxing (intermixing) paint
f) Ramuc Thinner or xylene for cleaning tools and spills

2.4 Condensation test material:

a) Several two foot square transparent pieces of plastic
b) Tape to secure the plastic

2.5 Joint or crack filler

a) Hydraulic cement or Durathane® polyurethane sealant or any other submersible polyurethane sealant. Do not use silicone-based products, as paint adhesion will be adversely affected. Durathane must be top coated before submersion. Cure is 5 days before application.

SURFACE PREPARATION

3.1 Plaster, concrete, or gunite surfaces should be tested for integrity and soundness. Water blast the surface to remove loose paint and dirt.

3.2 Repairs to imperfections such as cracks, chips, or leaks in the pool structure should be repaired before surface cleaning.

a) Non-leaking hairline cracks will be hidden or covered by two (2) coats of the epoxy coating

3.3 Abrade/sand existing epoxy or fiberglass surfaces to achieve a #80 grit profile

3.4 Scrub the surface with a TSP solution using one cup of TSP to 4 gallons of water. Extra attention given to cleaning the water line area of a pool or spa is essential. TSP should remove fats, oils, and algae from the pool or spa surface.

3.5 Next apply at 15-20% solution of muriatic or sulfamic acid. NEVER ADD WATER TO ACID, ALWAYS ADD ACID TO WATER. The acid solution should etch the concrete/plaster surface and remove mineral build-up. Be sure to wear protective goggles, gloves, and suitable clothing.

3.6 Follow the acid wash immediately with a TSP rinse to re-neutralize the surface.

3.7 Clean and Prep Solution may be used in lieu of 3.4 – 3.6.

3.8 Allow the surface to dry. The average number of days varies regionally and depends upon the porosity of the surface. It is recommended to wait five dry days and then perform a condensation test to determine surface dryness.

a) Condensation test is performed by taping several pieces of plastic on the pool surface. Locate the plastic pieces in the deep end, shallow end, and on the walls of the pool. Wait three hours to determine if condensation has formed underneath the plastic. If condensation has formed on the plastic, remove the plastic and wait 24 hours to perform the test again. Continue with the test until no condensation forms underneath the plastic. This insures the surface is dry enough to apply epoxy paint.

b) Do not paint when rain is imminent.

APPLICATION of TYPE EP HI BUILD EPOXY

4.1 Type EP Hi Build Epoxy is self-priming; no other type of primer is recommended or should be used.

4.2 Mixing the product.

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.

4.3 Allow the admixed paint to set for 20-45 minutes (induction time) prior to use at 70° F. and 50% relative humidity. At 65° the induction time is 60 minutes. Do not use this product at air temperatures below 60°.

4.4 If mixing more than the one - 2 gallon kit at a time be sure to intermix the kits to ensure color uniformity.

4.5 Apply two (2) coats at a minimum 7-12 wet mils per coat. Check with a wet film gauge to ensure that the minimum wet film thickness of each coat is obtained. Theoretical coverage on a smooth surface will be 75-125 square feet per gallon and 125-200 square feet per gallon on recoats. Actual coverage will vary and is dependent upon the texture and profile of the surface. Dry film thickness of the completed project is to be 8-10 mils. Recoats can be applied between 16-72 hours of the first coat. If the second coat is applied beyond 72 hours of the first coat, the surface will require abrading.

EPOXY CURE RATES

5.1 After the second coat of epoxy is applied, allow the paint to cure.

a) Outdoor cure rates are 5-7 dry days.
b) Indoor cure rates are 10-14 dry days.
c) If rain occurs during any part of the paint process, allow an extra day of cure time for each day of rain.
d) Do not cover the pool during the cure time, this will deter proper curing.

GENERAL GUIDELINES

6.1 Ideal temperatures for application are when surface temperatures are between 50°F - 90°F.

6.2 Do not apply Type EP Hi Build when rain is expected within 72 hours.

6.3 An application guide is included and considered a part of this specification. For questions not addressed in this specification or literature, please contact the manufacturer at 1-800-745-6756.

WARRANTY

7.1 Ramuc does not make nor does it authorize anyone to make any warranty of merchantability or fitness for any purpose or any other warranty, guarantee or presentation, expressed or implied, concerning this material except that it conforms to product specifications distributed by the company. In any event, liability is limited to the replacement of product, or its value, proven to be defective in manufacturing.

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