

# RAMUC APPLICATION GUIDE

## Type DS Acrylic Pool Paint

### Overview

Ramuc Type DS Acrylic is formulated to offer tremendous advantages over traditional solvent-based paints. Acrylic coatings can and should be applied to a damp surface, can be applied to almost any painted surface, will clean up with soap and water, and can allow the pool to be filled within 3 days after the final application of paint making them the paint of choice where short down times are critical. Water-based acrylics are extremely colorfast and UV resistant. Most acrylics are a satin or flat finish and will stain easier than solvent paints. Because of the nature of the acrylic paint surface, the service life of acrylic water-based paint will wear faster than chlorinated rubber or epoxy type paints.

For compatibility purposes, the existing paint on previously painted surfaces of a pool should be determined before painting. 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.

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 to the plaster before painting.

#### SUPPLIES NEEDED:

- Cleaning products:
  - Tri-sodium phosphate (TSP)<sup>1</sup>
  - Muriatic or sulfamic acid<sup>1</sup> solution
  - High-pressure power washer (optional)
  
- Abrasion material used to create a medium grade sandpaper profile for previously painted epoxy surfaces only:
  - Sandpaper #80 grit, power sander, or wire brush
  
- Painting supplies:
  - No larger than 3/8" nap mohair metal, lambskin, phenolic core roller<sup>2</sup>
  - Paint brush for detailing<sup>2</sup>
  - 5 gallon bucket for boxing (intermixing) paint
  - Mechanical mixer (this simply can be a paddle attachment<sup>2</sup> to a power drill)
  - Ramuc Thinner for cleaning-up tools and spills
  
- Joint or crack filler:
  - Hydraulic cement<sup>1</sup> or Durathane® polyurethane sealant or any other submersible polyurethane sealant. Do not use silicone-based products, as paint adhesion will be adversely affected.

<sup>1</sup> Included in Ramuc Surface Preparation Kit

<sup>2</sup> Included in Ramuc Application Kit

The keys to a successful pool or deck paint job are proper SURFACE PREPARATION AND CORRECT APPLICATION. By following these simple 1-2-3 steps, you're ensuring virtually maintenance-free paint service on your pool.

### **GENERAL SURFACE PREPARATION**

Immediately after the pool is emptied, begin the 3-step process.

**STEP 1** - Plaster, concrete, or gunite surfaces should be tested for integrity and soundness. Pool paint is not a Band-Aid for weak surfaces. Water blast the surface to remove loose paint and dirt. If painting over existing epoxy, the surface must be sanded/abraded to achieve an #80 grit profile. Then, scrub the entire pool with a soap/tri-sodium phosphate (TSP) solution to remove all dirt, oils, loose or peeling paint, and chalk. Should any minor repairs need to be made, such as hydraulic cement patch or crack joint filling, do them at this time. Follow the manufacturer's recommendations.

**STEP 2** -All surfaces should then be acid etched with a 15-20% solution of muriatic or sulfamic acid to achieve a medium grade sandpaper finish on bare concrete or plaster and to remove mineral deposits on previously painted epoxy surfaces. Neutralize/rinse with TSP and water.

**MIXING THE PAINT** – Type DS Acrylic is self-priming; no other type of primer is recommended or should be used. Mechanically mix the paint to achieve uniform consistency and color. If you are using more than one (1) gallon of paint at a time, remember to box (intermix) several gallons together.

### **APPLICATION**

**STEP 3** – Use no more than a 3/8" nap mohair metal lambskin, phenolic core roller. Apply at the recommended coverage rate. Ideal air temperatures for application are between 50° - 90°F. Surface temperature should be at least 50°F.

**Do not paint when rain is imminent. Use dark colors for accent painting only**

## **CURE RATES**

Outdoor pool – 3 dry days

Indoor pool – 6 days

If rain occurs during the curing process, allow an extra day of dry time for each day of rain. Rain or moisture can cause blistering, color blushing, and the finish could be altered.

Dry time to touch – 15 minutes

To recoat – 4 hours

Finish – flat

Primer – all Ramuc paints are self-priming

## **COVERAGE**

175 – 200 sq. ft. on bare, sandblasted, or rough surfaces.

350 – 400 sq. ft. on recoats

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

Minimum dry film per coat – 1.2 mils dry (3.2 mils wet)

Maximum dry film per coat – 1.4 mils dry (3.7 mils wet)

Clean-up – Soap and water

## **TECHNICAL DATA**

Weight/gallon –  $11.8 \pm 0.2$  lbs.

Solids by weight –  $54\% \pm 1\%$

Solids by volume –  $35\% \pm 1\%$

V.O.C. – Does not exceed 207 g/l

## **SPRAY INFORMATION**

Conventional air - 50-90 p.s.i.

Tip size – 765 cap a needle

Airless – 2000-2500 p.s.i.

Tip size - .015 - .021 B-517

## SPECIAL SITUATIONS

### **I BLUSHING - FADING - CHALKING**

#### **The cause:**

- ◆ The “shock” of calcium hypochlorite can cause a white, bleached look to the paint film, leaving a whitish deposit
- ◆ A chalky substance can be created by over treating the water with shock, bromine, ozone and ionization. It is not the paint breaking down. We suggest a natural polymer product or clarifier that can reduce the chalking problem.
- ◆ Iron in the water from rust in the filter system may leave deposits and stain the film.
- ◆ Painting a water-based acrylic on a too hot, too dry surface will actually “cook” the coating.

#### **The solution:**

- ◆ Scrub surface using a soft bristle brush and a solution of soap and water. This will remove surface dirt and deposits.
- ◆ Wet with a weak (2-3%) solution of muriatic acid. Acid will remove iron stains without damaging the paint film.
- ◆ Check your pool water chemistry daily or weekly for:
  1. Calcium hardness
  2. Total alkalinity
  3. pH
- ◆ Extremely corrosive water can ultimately cause deterioration or breakdown of a paint film over a period of years.

### **II. BLISTERING**

#### **The cause:**

- ◆ Applying paint too thick
- ◆ Applying over chalk or dirt
- ◆ Applying to a too hot or too dry surface

#### **The solution:**

- ◆ Apply at recommended coverage rates. Thicker is not better when applying pool paint.
- ◆ Dampen or mist the surface prior to painting
- ◆ Clean/scrub/and abrade prior to painting

### **Ramuc Pool and Deck Paint**

**3735 Green Road, Beachwood, OH 44122**

**800-745-6756 / 216-514-7597**

**800-445-9963 fax**

[www.ramucpoolpaint.com](http://www.ramucpoolpaint.com)

[info@ramucpoolpaint.com](mailto:info@ramucpoolpaint.com)