

APPLICATION GUIDE:

TYPE A PREMIUM CHLORINATED RUBBER AQUATIC COATING



1. Overview

Ramuc Type A premium chlorinated rubber has been used in the industry for decades restoring and protecting plaster and concrete pool surfaces. It is an excellent choice for recoating previously painted chlorinated rubber surfaces and is formulated to provide excellent hiding and superior coverage rates compared to other chlorinated rubber paints. Chlorinated rubber is not for use on spas, whirlpools or indoor pools, unless previously painted with a chlorinated rubber. Ramuc Type A has a VOC of 590 gpl, and may not be compliant in certain areas of the country. For compatibility purposes, the existing paint on a previously painted surface should be determined before painting. If the existing surface is unknown, 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.

2. Supplies Needed

a. *Cleaning Products:*

- Ramuc Clean and Prep Solution™. An environmentally safe product that cleans, etches and neutralizes in lieu of the three-step process and a 3500psi power washer.

b. *Condensation Test Materials:*

- Several 2'x2' square pieces of transparent plastic
- Painter's tape

c. *Abrasion Supplies to Create Medium Grade Sandpaper Finish*

- #80 grit sandpaper, power sander, sanding blocks, wire brush
- Mohair or lambskin roller used for solvent based paints (no thicker than 3/8" nap) NOTE: DO NOT USE A ROLLER WITH CARDBOARD CORE
- Paint brush for detailing
- 5-gallon bucket for boxing (intermixing) paint
- Mechanical mixer; a paddle attachment for a power drill
- Ramuc Thinner for thinning paint if airless spraying and/or cleaning-up tools and spills

d. *Joint or Crack Filler:*

- Hydraulic cement or Vulkem 116 polyurethane sealant. Do not use silicone-based products as paint adhesion will be adversely affected. Vulkem 116 must be top coated before being submerged in chemically treated water.

3. General Surface Preparation

Plaster or concrete surfaces should be tested for integrity and soundness. Ramuc coatings are not a repair for weak surfaces. Power wash the surface to remove loose paint and dirt. Any minor repairs, such as patching with hydraulic cement or filling of cracks, should be done and allowed to cure prior to surface prep. Follow the manufacturer's recommendations.

Prepare the surface thoroughly with Ramuc Clean and Prep Solution following the directions carefully.

CONDENSATION TEST – After all cleaning is completed, allow the pool surface to dry. Average drying times vary regionally and are dependent upon the porosity of the surface. It is recommended to wait 5 dry sunny days before performing a condensation test.

- Tape 2'x2' pieces of transparent plastic to areas in the deep end wall, floor and several other areas of the pool.
- Wait about 4 hours to determine if condensation is 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. Repeat as needed until no condensation forms. This will ensure the surface is dry enough to apply paint.

4. Mixing

Type A is self-priming; no other type of primer is recommended or needed.

Mechanically mix the paint to achieve uniform consistency and color. If more than one (1) gallon of paint is used at a time, box (intermix) several gallons together.

5. Application

Using no thicker than a 3/8' nap mohair or lambskin roller, apply the recommended coverage rate. Ideal air and surface temperatures for application are between 50° - 90°F. Overnight curing temperatures must be at least 50°F or the paint will not cure correctly.

*Do **NOT** paint if rain is imminent. Use dark colors for accent paint **ONLY**. Dark colors (Dark Blue, Royal Blue, and Black) can prematurely fade or blister, especially in chemically treated water.*

6. Cure Rates

Outdoor pool: 5-7 dry days

Indoor pool: 10-14 days with adequate ventilation

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 affected.

Dry time to touch: 15 minutes

To recoat: 24 hours

Primer: All Ramuc paints are self-priming. No primer required.

Not recommended on indoor pools, unless previously painted with a chlorinated rubber. Use Type EP EPOXY or HI-BUILD for bare or sandblasted surfaces.

7. Coverage

- 200-300 square feet per gallon kit on bare, sandblasted, or rough surfaces.
- 350-400 square feet per gallon kit on recoats.

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

- Minimum dry film per coat: 1.0 mils dry (3.2 mils wet)
- Maximum dry film per coat: 2.0 mils dry (6.2 mils wet)
- Clean-up: Ramuc Thinner
- Finish: Gloss

8. Technical Data

Weight/gallon: 10.2lbs

Solids by weight: 54% ± 1% mixed

Solids by volume: 35% ± 1% mixed

V.O.C.: Does not exceed 600 g/l

9. Spray Information

Airless: 2000 - 2500 p.s.i

Tip Size: .013 - .017

10. Special Situations

Blushing-Fading-Chalking

The Cause:

- The pool is filled too soon (see cure rates) before the paint is completely cured, causing a blush over the surface which looks like fading or chalking.
- Super-chlorinated water may cause a bleached look.
- 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, possibly causing the paint to break 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.
- Follow manufacturer's recommendations for proper water chemistry.

The Solution:

- Scrub surface using a solution of soap and water. This will remove surface dirt and deposits.
- Wipe with a weak (2-3%) solutions of muriatic acid. Acid will remove iron stains without damaging the paint film.
- Wipe affected areas with Ramuc Thinner.
- Check your pool water chemistry daily or weekly for calcium hardness, total alkalinity and balanced pH.
- Extremely corrosive water can ultimately cause deterioration or breakdown of a paint film over a period of years.
- Be sure the newly painted outdoor pool surface dries at least 5 dry, sunny days before filling.

Blistering

The Cause:

- Using a nap roller thicker than 3/8" nap draws air into paint film.
- Applying paint too thick.
- Painting on a damp surface.
- Painting in direct sunlight can cause vapor (or heat) blisters.
- Filling the pool before the paint is cured.
- Incompatible paints.

The Solution:

- Scrub off blisters; wipe lightly with Ramuc Thinner. Apply a coat of Type A to blend in for uniformity if needed.
- All surfaces to be painted must be dry prior to painting with Type A.
- Paint must cure for 5 dry days on an outdoor pool and 10 days on an indoor pool.