

1.0**Overview:**

AquaLuster is formulated to offer tremendous advantages while complying with strict environmental and state VOC regulations. This acrylic coating can topcoat virtually all types of coatings and damp surfaces that traditional solvent based paints like chlorinated and synthetic rubbers do not. In addition, AquaLuster cures to a high gloss finish.

For proper recommendation and compatibility purposes, the existing paint type should be determined prior to recoating if the surface has been previously painted

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.

DO NOT USE ON FIBERGLASS SURFACES, HOT TUBS OR SPAS, OR WOOD.

2.0**Supplies Needed:**

Cleaning products:

Tri-sodium phosphate (TSP)

Muriatic or sulfamic acid solution

OR “*Clean and Prep Solution*” by Ramuc, an environmentally safe product that cleans, etches and neutralizes.

High-pressure (3000 p.s.i. minimum) power washer with a turbo tip attachment

Sandpaper, #80 grit, power sander, block sander or wire brush to create a medium grade sandpaper profile for previously painted epoxy surfaces

Painting supplies:

No thicker than 3/8” nap roller

Paint brush for detailing

5 gallon bucket for boxing (intermixing) paint

Mechanical mixer/ paddle attachment to a power drill)

Soap and water for cleaning-up tools and spills

Joint or crack filler:

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 topcoated before submersing with chemically treated water.

3.0 **General Surface Preparation:**

ALL surfaces must be free of dirt, chalk, oil, loose paint or foreign material that may prevent adhesion. Previously epoxy-painted surfaces must be gloss free by abrading with a wire brush or sanding with 80-100-grit sandpaper to achieve a rough surface prior to cleaning. Power wash using minimum of 3000 p.s.i. with a turbo tip nozzle to avoid gouging. Scrub all surfaces with a solution of TSP, especially around the water line and steps with a stiff bristle brush. Following the manufacturer's instructions, wash/etch with a 30-40% solution of muriatic or sulfamic acid to dissolve any mineral salts or chalky material. Neutralize the acid treated surfaces with a solution of TSP, flushing well with clean water; surfaces should be constantly wet while cleaning. Bare surfaces should have the feel of 120-grit sandpaper after being etched.

The above process can also be achieved using "*Clean and Prep Solution*" by Ramuc, the economical cleaning product recommended for all surfaces. Follow all instructions thoroughly.

4.0 **Application:**

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

Mixing AquaLuster: Mechanically mix with a paddle attachment on a drill, along with intermixing (boxing) the material being used for color uniformity.

AquaLuster can be applied with a brush or roller. Use no thicker than a 3/8" nap roller. Outdoor application is recommended in early morning or evening when the surface is cool. Do not paint in direct sunlight. Apply 2 coats of AquaLuster waiting a minimum of 6 hours between coats. In areas of low humidity (less than 20% and higher temperatures, over 90°F), dampen the surface with a light mist of clean water for best adhesion. Once application is complete, wait a minimum of 5 accumulative dry days before filling outdoor pools, and 7 days for indoor pools.

NON-SKID SURFACES: Mix one pound of Skid-Tex per gallon of AquaLuster and apply as the final coat to any walking areas such as the steps and shallow end floor.

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

5.0 **Cure Rates:**

Outdoor pool: 5 dry days

Indoor pool: 7 days

Dry time to touch: 15 minutes

To recoat: 6 hours

To touch: One hour at 70 degrees minimum

Finish: High Gloss

Fill outdoor pools after at least 5 dry accumulative days, indoor at least 7 days with proper ventilation.

6.0 **Coverage Rates:**

200-250 sq. ft. on bare, sandblasted, or rough surfaces

400-450 sq. ft. on recoats

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

Minimum dry film per coat:	1.5 mils dry (3.4 mils wet)
Maximum dry film per coat:	2.0 mils dry (4.2 mils wet)
Clean-up:	Soap and water

7.0 **Technical Data:**

Weight/gallon:	10.4 ± 0.3 lbs.
Solids by weight:	45.0% ± 1%
Solids by volume:	31.0% ± 3%
V.O.C.:	Does not exceed 340 g/l

8.0 **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

Additional Information

Estimated service life of this three coat AquaLuster system is up to three years. This is based on proper surface preparation and application procedures have been adhered to and recommended water chemistry levels followed.

Diagnosing Problems-Special Situations

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.
- Iron in the water from rust in the filter system may leave deposits and stain the film.
- Extremely corrosive water can ultimately cause deterioration or breakdown of a paint film over a period of years.

The solution:

- Scrub surface using a soft bristle brush and a solution of soap and water.
- Standard pool water chemistry balance levels should be maintained as follows: pH 7.2-7.6; Alkalinity 120-150, chlorine 1.0-3.0; calcium hardness 200-300 ppm.

Blistering

The cause:

- Applying paint too thick.
- Applying over chalk, algae or dirt.
- Applying to a too hot or too dry surface.

The solution:

- Pressure wash affected areas or scrub off blisters.
- Scrub with *“Clean and Prep Solution.”*
- Dampen or mist the surface prior to painting.