



RAMUC POOL PAINT INSPECTION & MAINTENANCE PROGRAM

1.0 Program Overview

System: Ramuc® Pool Paint Systems (Epoxy, Acrylic, Synthetic Rubber)

Service Life Planning Horizon: 2–8 Years (based on coating type)

Objective:

Preserve coating adhesion, maintain color and sheen, protect substrate integrity, and maximize service life through proper water chemistry, routine inspection, and preventative maintenance.

Proper maintenance is essential to:

- Maintain coating adhesion and film integrity
- Prevent premature wear, staining, or blistering
- Protect underlying concrete, plaster, or fiberglass
- Extend repaint cycles and reduce lifecycle cost

2.0 Years 1–2: Stabilization & Monitoring Phase

This is where most coatings either thrive... or quietly start to fail if chemistry isn't controlled.

2.1 Monthly Water Chemistry Monitoring (Critical)

Maintain proper water balance at all times:

- **pH:** 7.2–7.6
- **Total Alkalinity:** 80–120 ppm
- **Calcium Hardness:** 200–400 ppm
- **Chlorine:** 1–3 ppm

Watch for:

- Etching (low pH)
- Scaling (high calcium)
- Fading or bleaching (over-chlorination)

Water chemistry is the #1 driver of coating life in submerged environments.

2.2 Quarterly Visual Inspection

Inspect pool surfaces for:

- Discoloration or fading
- Staining (organic or metal)
- Early signs of chalking
- Surface roughness or wear patterns
- Blistering or pinholes

Documentation (Recommended):

- Date of inspection
- Chemical readings
- Photos of any changes
- Corrective actions taken

2.3 Routine Cleaning

Frequency: Weekly to monthly depending on use

Recommended:

- Soft nylon brushing
- Standard pool vacuuming

- Mild, non-abrasive cleaners

Avoid:

- Stainless steel brushes (on painted surfaces)
- Abrasive pads
- Direct chemical dumping on surfaces

3.0 Years 3–5: Wear Management Phase

At this stage, coatings begin showing normal wear depending on traffic, chemistry, and UV exposure.

3.1 Annual Condition Assessment

Focus on:

- Steps, entries, and shallow areas (high traffic)
- Waterline exposure zones
- Areas with recurring staining
- Previous repair locations

3.2 Targeted Maintenance

Where wear is identified:

- Clean and prepare the affected area
- Lightly abrade for adhesion
- Perform spot repairs with a compatible Ramuc coating
- Feather edges for a uniform appearance

Always confirm compatibility before recoating, especially across coating types.

4.0 Years 2–8: Recoat & Lifecycle Extension

(Based on Coating Type)

4.1 End-of-Cycle Evaluation

Evaluate:

- Overall color uniformity
- Gloss retention (epoxy systems)
- Film integrity and adhesion
- Extent of exposed substrate

4.2 Recoating Guidelines

Typical repaint cycles:

- **Epoxy:** 5–8 years
- **Synthetic Rubber:** 3–5 years
- **Acrylic:** 2–3 years

Recoat process overview:

- Thorough cleaning and degreasing
- Removal of loose or failing coating
- Surface profiling (as needed)
- Application per the current Ramuc technical data sheet

5.0 Environmental & Usage Considerations

Service life is influenced by:

- Water chemistry control



- UV exposure (outdoor pools)
- Frequency of use
- Cleaning methods
- Winterization practices
- Substrate condition at time of application

Poor chemistry control can reduce coating life by 50% or more.

6.0 Best Practices for Maximum Performance

- Maintain consistent water chemistry year-round
- Never dump chemicals directly onto painted surfaces
- Brush and clean regularly to prevent buildup
- Address stains early
- Winterize properly to prevent coating stress
- Inspect annually and document changes

7.0 Summary

Ramuc pool paint systems are designed for durability and long-term performance. A structured maintenance program helps provide:

- Extended coating life
- Consistent appearance
- Reduced maintenance costs
- Protection of the underlying structure

A well-maintained pool coating isn't just paint—it's an asset that performs season after season.