

# BG Pool Chlorinated Rubber Pool Paint Application guide



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## BG Pool

A Premium quality single pack Chlorinated Rubber Pool Paint.

BG Pool Chlorinated Rubber is designed for application to new or old concrete and previously painted chlorinated rubber finishes. It provides outstanding resistance to swimming pool chemicals and salt water.

- It is not suitable for previously painted epoxy pools, or marble sheen surfaces.

**IMPORTANT – BEFORE PAINTING:** Follow all instructions in this application guide prior to painting. Failure to follow instructions could result in coating failure.

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## Important Pool Paint Tips

### **Do not apply this coating over epoxy based pool paints.**

In order to identify the existing coating system of previously painted pools the following procedure should be conducted:

Rub the surface with Acetone solvent using clean cloth or cotton swab...

- If the coating softens, becomes sticky or dissolves it can be identified to probably be Chlorinated Rubber and can be re-coated.

- If the solvent merely remove some surface deposits and does not soften the paint it can be identified to probably be Epoxy and cannot be coated with Chlorinated Rubber.

### **Do not paint in direct sunlight.**

Painting very hot surfaces in direct sunlight will cause blistering and pinholes do to a rapid evaporation of the solvents in the paint. For best results, paint when the sun's rays are very low; apply in the shade or very early in the day whilst the sun is rising. For best results apply before 12pm. Late afternoon applications may develop overnight dew fallout which could impair performance such as discolouration and delamination.

### **Do not paint if rain is expected within 4 – 6 hours.**

Dampness, rain and excessive humidity will retard the systems curing time required before filling the pool. Interruption and contamination of the coating process may lead to coating defects which may lead to paint failure. Additional surface preparation would then be required to correct the systems integrity.

### **Do not use hydrochloric or muriatic acid on any painted surfaces.**

The acids are only intended to prepare and etch cementations surfaces.

The process provides a slight surface profile which is required before painting.

### **Prepare painted surfaces adequately.**

Proper surface preparation is critical to obtaining a satisfactory paint job.

There are no shortcuts, even if the pool has been sandblasted, it will be necessary to follow the cleaning instructions and recommendations.

### **Do not apply heavy coats of paint.**

This will cause blisters, chalking, peeling and other premature failures.

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## Surface preparation

Any imperfections such as cracks, holes and gouges should be filled with proper patching materials suitable for pool use. The pool surface to be painted must be free from all oil, grease, wax, dust, dirt, mildew, suntan oils, and any other foreign contaminants before painting.

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## Surface preparation Continued

### Previously Painted Concrete Pools:

- Once the existing coating has been identified by Acetone rub test to be Chlorinated Rubber, follow the next steps:
  - Previously Chlorinated Rubber should be scrubbed clean with and approved degreaser.
  - Wash the pool thoroughly using a stiff brush or broom using the degreaser to remove greasy contaminants such as sun creams, oils, body fats, etc.
  - Pay special attention around the waterline, around steps and corners to be painted. These areas tend to accumulate the greatest amount of floating oil residue and other contaminants like suntan lotions and dirt.
  - The use of a high pressure washer at 2500 - 3000 psi is extremely helpful but scrubbing the waterline areas and steps is required to properly prepare the surface.
  - It may also require light sanding with 100 - 120 grit sand paper or equivalent until slightly rough to touch before application of additional coats.
  - Once the preparation has been completed, the pool has been rinsed of dust and residue and allowed to dry for 24 hours, application to refurbish can continue.
- Apply 2 - 3 coats in accordance with TDS...
  - RFU: No thinning required.

### New Concrete Pools:

- Should not be painted for 4 weeks after construction has been completed in order for concrete to cure completely.
- Remove all contamination, laitance and loose surface matter by grit blasting, grinding or hand rubbing with a timber block.
- Clean, bare concrete surfaces should be acid etched with solutions of commercial grade Hydrochloric or Muriatic acid. \* *Refer to solution preparation...*
- Apply at least 3 - 4 coats in accordance with TDS...
  - Dilute 1<sup>st</sup> coat with 5% BG Industrial Thinner to maximise surface penetration and adhesion over bare concrete surfaces.
  - Apply subsequent coats as RFU.

### Old Concrete rendered pools:

- Concrete and render repairs must be allowed to age for 4 weeks before proceeding further with the following recommended actions:
  - Remove all contamination, laitance and loose surface matter by grit blasting, or commercial water blasting @ 6000psi until a clean, dry and dust free surface is obtained.
  - Then acid etch the entire surface as per recommendation before proceeding further. \* *Refer to solution preparation...*
- Apply at least 3 - 4 coats in accordance with TDS...
  - Dilute 1<sup>st</sup> coat with 5% BG Industrial Thinner to maximise surface penetration and adhesion over bare concrete surfaces.
  - Apply subsequent coats as RFU.

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## Surface preparation Continued

*\* Use the following recommended solutions for acid etching:*

Acid concentration :	Water	Acid
- New cement render	2 Parts	1 Part
Acid concentration :	Water	Acid
- Old cement render	3 Parts	1 Part

- Add acid to water and use plastic containers to prepare.

Whilst acid etching proper protective equipment must be used: Gloves, goggles, mask for fumes, long sleeve and full length pants, and shoes are a minimum requirement.

Using a plastic watering can spread the solution as evenly as possible with a nylon brush or broom. The acid solution will start to bubble slightly (effervesce) as it is working on the surface. When bubbling stops, usually after 10-15 minutes, hose down with plenty of clean fresh water making sure all acid solution residue is removed.

Always work in small areas at a time. This will prevent the acid from drying on the surface. This process may have to be repeated several times until the concrete stops reacting when the etch solution is applied.

Properly prepared surfaces should feel like fine sand paper when finished.

Once the entire pool surface has been effectively etched it must be neutralised with a solution of Bicarbonate of Soda and Water (10 litres warm water and 1 Kg Bicarbonate of Soda). Flush the surface with the neutralising solution and then follow with copious amount of fresh water thereafter. To ensure that no bicarbonate of soda deposit remains on the surface it is important to concentrate on small, workable sections at a time. Pump the pool dry.

The pool must be thoroughly dry after cleaning and prior to application of the pool paint. For best results check the surface moisture levels with a hygrometer. The moisture content should be less than 5%

Alternatively a 50 X 50mm piece of clean plastic film can be taped on the bottom pool surface and to check for condensation after 24 hours. If condensation or sweat is observed under the plastic, the pool is not dry enough to paint. The pool must dry for at least 7 days after cleaning before paint can be applied. High moisture content can cause failure of the coating system.

## Application

Stir thoroughly with a flat-bottomed paddle or mechanical mixer until product is uniform. Remix thoroughly before application.

The product is RFU by brush, roller and airless spray application. Thinning with up to 5% BG Industrial thinner is only recommended for the first coat.

The 1<sup>st</sup> Coat should be thinned with 5% BG Industrial thinner to maximise surface penetration and adhesion over bare concrete surfaces.

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## Application Continued

Permissible ambient/ environmental conditions:

Surface Temperature	Ambient Temperature	Relative Humidity
Min: 10 °C*	Min: 10 °C	No lower limit
*Or min 3 °C above dew point.		
Max: 40 °C	Max: 40 °C	Max: 85 %

### Recommended application equipment:

Brush, Roller or Spray:

a) Brush & Roller:

For roller application use an 11mm. nap mohair roller. Do not use a long nap roller as it will cause blistering and deposit excess paint on the surface.

b) Airless Spray:

For Airless Spray application: apply at minimum tip pressure 150 bar (2200 psi) & Tip range 15-21 Thou.

## Clean-up

Clean all equipment with BG Industrial Thinner.

## Start-up and aftercare

Maintaining the correct balance in your swimming pool water holds the key not only in protecting your new Chlorinated Rubber but is also crucial for a healthy comfortable swimming environment.

An optimal life of the coating system and a healthy happy pool will be possible by maintaining the following parameters.

Test	Range
pH	7.5-7.8
Total alkalinity	160-180 ppm
Calcium hardness	280-340 ppm
Free chlorine	<3 ppm

The longer a pool is allowed to dry prior to filling the better the ultimate coating quality and longevity.

Always allow the coating to dry for at least 7 days in summer, and 14 days in winter, prior to filling the pool.

If the coating has not had adequate drying time and is filled prematurely its colour and or appearance will be damaged. This is normally observed as cloudy, uneven colour distribution of the final coat.

## Coverage

Under normal circumstances the following average spreading rate apply: 7 - 9 m<sup>2</sup>/ lt. Per coat depending on surface porosity, texture and profile.

Material loss during application and mixing will vary by project and should be taken into consideration when estimating the project requirements.

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The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

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