

Specification

For Prefabricated (Precast) Concrete Pools

A prefabricated pool is a below or above ground swimming pool that is manufactured in a factory under controlled conditions and shipped to a location for onsite installation. The best types of prefabricated pools are made of fiberglass or precast concrete. This specification is for precast concrete pools.

Precast concrete pools, although not a new idea, are becoming popular due to their lower costs and the ease and quickness of installation.

The internal surfaces can be attractively sealed and protected with PaintNforget V790 and shipped to the site ready to be installed and filled.

For below the ground pools, specifically in areas of high-water table or close to a large body of water, it is recommended to waterproof the exterior surfaces to prevent the prospect of hydrostatic pressure issues.

Preparation

1. Check all pool surfaces to be coated carefully looking for parting or mold release agents, cracked, drummy, porous, missing or damaged areas of the concrete.
2. All damaged concrete areas to be removed and cleaned back to a solid surface, then replaced and made flush with adjacent surfaces with Laticrete 254 Platinum or similar to match the adjacent profile.
3. Provided it's not drummy underneath or around it, any hairline crack in the concrete maybe ignored.
4. Clean all surfaces to be coated with water-based detergent or TSP to remove all dirt, contamination, and most importantly, mold or release agents.
5. Allow the pool to dry.
6. If the pool is to be installed below the ground, check that an external waterproofing coating has been applied to the outside of the shell, including, under the floor (A sheet membrane with a waterproof seal to the walls.) and that it's not damaged.
7. Any joints between concrete elements to be sealed with a well designed and installed sealant and fully cured and that it's suitable for chlorine exposure.

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Application

8. Depending on the porosity of the concrete, the surface will require 1 or may be 2 coats of Concrete WB Primer E 2100. Once part A and B are mixed together, then dilute 50% with water, and apply in accordance with the Application Notes at a rate of 200 – 280 sq ft per coat per pack of 4 Litres (1.057 gal). Allow to cure. Apply second coat if it is still porous.
9. If the surface is rough (should be smooth as panels from a mould) then it will require 1 or 2 coats of High Build 100% Epoxy E 4115 Undercoat, to provide a more uniform finish. Mix and apply in accordance with Application Notes at the coverage of 160 – 270 Sq ft per coat per 5kg (11 lb) pack. Allow to cure.
10. Apply 2 coats of PaintNForget V790 Topcoat in selected colour. Mix in separate clean container and add up to 5% V Thinners to aid roll out and get uniform film build and longevity. It's very important to get uniform film build, in all areas at a minimum dft of 2.5 mils per coat (4.0 mils wft). Typical coverage rate per 5L (1.321 gal) pack is between 370 – 430 sq ft per coat per 5 Litre (1.321) Allow to cure.
11. Apply the non-slip finish on step treads, and step landing areas as needed.
12. Apply a 3rd coat to any high wear areas, ledges, steps treads and landing areas etc.
13. Notes:
 - A thorough surface preparation is required for a high-quality finish. The final coat is high gloss and will show variations in surface profile and texture.
 - Contamination or unsound surfaces will lead to premature coating failure
 - The minimum surface temperature for all applications is 40F. Below this temperature curing will stop.
 - Do not apply if rain is expected within 6 – 12 hours of completing any coat.
 - Allow overnight curing between all coats, but no longer than 72 hours. If necessary, PaintNForget V790 can be applied wet on wet
 - Allow final coat to cure 7 days in summer, 14 days in winter, before filling pool.

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- Provide the pool owner with the PaintNForget, manual “Maintaining Your Pool Water And Coating For Maximum Life”, downloadable from our website <https://paintnforget.com>
- Any questions call us or visit website for more information.

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