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SHIMICOAT
SURFACE SOLUTIONS



Swimming Pool PolyAspartic

An Installation Guide

Following is a step-by-step guide to install Swimming Pool PolyAspartic using SHIMICOAT Products and Materials over concrete, tile, fiberglass or metal surfaces.

NOTE: Check weather forecast to ensure NO RAIN for a few days, ideally for a week.

Fibreglass Swimming Pool

1. Start empty the pool using submersible pump and hoses.
2. While the pump is in progress, initiate propping to support the pool and keeping it in position. Propping is crucial to secure your fibreglass pool in-place, prior to completely emptying the pool as shown in image. Please contact SHIMICOAT to assist you in getting supply of suitable props.
3. Position the props at higher edge of the pool that you can easily access from outside the pool.
4. By the time, props are being secured and the Fibreglass pool is in position, the pool may be completely emptied.
5. Dry the bottom of the pool surface using smaller pump, or sponge to soak all the water into a bucket and out of the pool.
6. Let it dry completely.
7. Dry the surface followed by multi-stage sanding and removal of surface materials to prepare the surface for PolyAspartic Coating. Preparation by way of abrasion to remove surface latency, loose debris and contamination. Provide a superior keyed surface profile, aiding in adhesion of future coating.
8. Crack Repair and surface preparation "Prior to Coat" as required. Using Crack Repair kit to prepare PolyAspartic/Epoxy Putty and fill all the cracks, damages and joints to be filled.
9. Application of Primer PolyAspartic Basecoat in your choice of colour. For example, "Bright Blue B23" or any colour of your choice:
<https://shimi.com.au/colours-swimming-pool/>
10. Application of Main Coat PolyAspartic in Bright Blue B23 or any colour of your choice:
11. Application of Chemical Resistant Clear Topcoat PolyAspartic to shield the surface against Chemicals, Salt, Chlorine and pH fluctuation of water. To shield the PolyAspartic surface and create chemical resistant barrier so no fading of colours overtime. PolyAspartic may fade when exposed to pool chlorine, so it needs Clear Topcoat to protect it.
12. Apply Slip Resistant grits where necessary such as steps, shallow ends etc.



 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

Ph: (08) 9364 7446 | info@shimi.com.au | ABN: 28 622 871 283 | www.shimi.com.au

Products and Materials

- Swimming Pool PolyAspartic in your choice of colour
- Chemical Resistant Topcoat Shield
- Diluent / Thinner
- PolyAspartic/Epoxy Repair Kit (If necessary)

NOTE: Keep all products inside in cool area prior to coating.
Apply to surface when cool, ideally early morning or late evening.

Tools:

- Electric mixer or stick for missing resin
- Mixing Bucket
- Brush and Rollers
- Extendable Handle / Pole
- Vacuum or blower to clean up the surface
- Pump and hoses to empty the pool
- Sponges and rags to wipe the pool dry
- Props for Fibreglass pools, to secure in-place

Installation:

Surface Preparations:

- Prepare the surface by grinding, sanding and removal of surface materials. If grinding or sanding machine is not practical or unavailable, use other physical means to remove previous paint and loose surface materials.
- Use PolyAspartic/Epoxy Repair kit as required to fill any cracks, holes or damages on the surface.
- Ensure the surface is perfectly clean and free of oil and grease.
- Vacuum and/or blow out to remove dust from the surface.
- Tape all around the walls and cover all surfaces that you wish NOT to be PolyAspartic coated.



NOTE: For further information on surface preparation, please refer to our brochure, website or contact Shimicoat technical representative.

Basecoat Application:

1. Mix basecoat PolyAspartic in small portion that you can manage to apply. Swimming Pool PolyAspartic has a maximum of 15min Pot Lift (working time), plan to complete your application within 10minuts allowing a few minutes for unexpected situations.
2. Ideally, we recommend mixing total maximum volume of 5Lt, 3Lt of Part A and 2Lt of Part B (5Lt blend) for one or two people working on a standard family pool. Ideally, half this quantity (2.5Lt) for the first batch to allow you better understanding of your working time.
3. Starting from the top to bottom, apply the basecoat Swimming Pool PolyAspartic to walls, corners, edges first then the main floor of the pool.
4. Let it cure. 3-4 hours Swimming Pool PolyAspartic. In cold climate, it may take longer and up to 8hours to cure.

NOTE: Add PolyAspartic Diluent, EpoDil, IPA or Xylene up to 10% to thin the product, only if required and especially for the first coat.

NOTE: *Keep all products inside in cool area prior to coating. Apply to surface when cool, ideally early morning. Once A&B mixed, pour onto the surface, DO NOT allow sitting in mixing container while rolling as it may resonate heat generation and cure faster.*

Main-Coat Application:

Repeat basecoat application in same matter to complete the main coat. Use diluent ONLY if too thick and if necessary.

Chemical Resistant Clear PolyAspartic "Topcoat Shield":

1. Once the surface is coated by Swimming Pool PolyAspartic in your choice of colour, commence Chemical Resistant Clear PolyAspartic "Topcoat Shield" application.
2. Mix Part A with Part B in accordance to the label instruction. Chemical Resistant PolyAspartic shall be mixed at 1A:1B, meaning 2L of A to be added into 2L of Part B (4 Lt Batch Max). Mix for 1-2 min using a drill mixer at low speed.
3. Now you are on the clock, 15min to complete coating application.

NOTE: *DO NOT keep in bucket, empty onto the surface to cool down to avoid overheating.*

4. Apply to the surface using a squeegee, roller or brush, depending on the size of your surface. Use brush/mini roller to coat over the edges and corners.
5. You can use your roller to go over the surface again just gently over the entire surface to maintain uniformity of the finish surface.
6. Let it cure overnight (3-8 hours depending on temperature).
7. It is highly desirable to apply another clear topcoat of Chemical Resistant Clear PolyAspartic "Topcoat Shield" over the surface, if any remaining.



NOTE: Add PolyAspartic Diluent or Xylene up to 5% to thin the product, only if required and only for the first coat. During winter, you may need more thinner/diluent to reduce product viscosity, for ease of application.

For further advice, please refer to our website or contact technical team of SHIMICOAT.

End of Procedure

DISCLAIMER

SHIMICOAT takes no responsibility for any property damages due to the misuse of our products or incorrect installation. Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

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This information and all further technical advice are based on our present knowledge and experience.

The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.