



Performance Through
Technology and Service

Date Issued	
Replaces	

DATA SPECIFICATION

PS-E003 COATING A FIBREGLASS SURFACE WITH EPOTEC HIGH BUILD EPOXY PAINT

Introduction For the coating of an in ground swimming pool, refer to our Epotec High Build Epoxy information sheet.

A fibreglass swimming pool, after a number of years can suffer from different types of failures. E.g.

- * Gelcoat cracking
- * Black spot
- * Delaminating of the gelcoat
- * Osmosis blistering
- * General breakdown from UV/weathering.

Epotec correctly applied can revive the surface and protect the fibreglass from further breakdown.

Fibreglass pools are manufactured by one of two methods:

(a) In house factory mould – transported to the customers site.

(b) Manufactured on the site of the customer in the ground by spray applying fibreglass chop strand matt and the finish gelcoat.

Method (a) produces a swimming pool of higher quality. Method (b) can have potentially more defects such as described above.

This method is assuming the fibreglass is basically sound. If any of the above failures are prevalent or the pool is of the in ground manufacture type (b), discuss with Hitchins Technologies Pty Ltd technical department before proceeding.

Procedure

1. Examine the surface for any minor defects such as gelcoat star cracks etc. Grind back and fill with a suitable epoxy filler.

2. Grind with a 40/60 grit grinder or sweep blast with a sand blasting unit to a uniform profile.

Take care not to abrade too deep so that the fibreglass matt is exposed. Refer to PS-C002 Abrasive Blast Cleaning of Concrete and Painted Surfaces.

3. Again check for defect areas. If soft areas are found where the glass is showing through, the area will need to be rebuilt with fibreglass matt and resin. Then smoothed with an epoxy filler ready for painting.

4. Using a detergent/warm water mix, scrub the top 3 – 500 mm of the walls and any surfaces where contact would be made with the body of swimmers. E.g. Steps, seats or shallow ends of children's pools.

A nylon broom works well. This helps to remove any body fats that can reduce the adhesion of EPOTEC.

5. Water blast. Use a good quality high pressure water blaster. (It does not have to have extreme pressure. The purpose is to remove all debris).

If a detergent can be added to the water blaster this would eliminate the warm water step in step 4.

6. Ensure all surfaces are now dry and free of dust etc. (**Over**)

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PAINT (CONTINUED)**

7. Mixing EPOTEC and application - refer to PS-E002 Coating a Concrete Surface with Epotec High Build Epoxy Paint, where a full description of the required procedure is given.

Apply two coats. EPOTEC is applied without thinner.

8. TECHNICAL SUPPORT. If there are any doubts or questions ring Hitchins Technologies Pty Ltd technical department.

Health and Safety Read the Material Safety Data Sheet (MSDS) and information booklet. Keep away from heat and open flames, keep can closed when not in use. Avoid breathing vapour, use with adequate ventilation. Avoid contact with skin and eyes. If skin contact occurs use warm soapy water to remove. Do NOT use thinner to clean the skin.

Refer to following Specifications:

PS-C002 Abrasive Blast Cleaning of Concrete and Painted Surfaces

PS-E002 Coating a Concrete Surface with Epotec High Build Epoxy Paint,

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