



# High Performance Paint

## Product Data Sheet



### EPOTEC WB EPOXY SEALER

71-700 JUN 14



**DESCRIPTION:** A waterborne, two pack, clear epoxy sealer for concrete and plastered swimming pools.

**TYPICAL USES:** Sealing of concrete pools, generally prior to over coating with epoxy finishes such as EPOTEC HIGH BUILD EPOXY or EPOTEC WB EPOXY.

**PERFORMANCE:** Formulated to aid in binding loose surfaces and seal concrete, providing a sound, firmly adherent base for epoxy topcoats. The water based formulation offers the advantage of fast cure, easy clean up and low odour. Benzyl alcohol free. Excellent water vapour permeability – can be applied to damp substrates. Visible end of pot life indicated by rapid viscosity increase.

**LIMITATIONS:** Not recommended for extreme chemical environments, or areas of high physical abuse if used without a topcoat. Not recommended without topcoat for areas of high UV exposure. Product will yellow and lose gloss under these conditions. Ensure air and substrate temperature are above 5°C before and during application. Overcoat within 3 days. If longer than 3 days elapses before recoating, surface should be first sanded using 120-150 grit sandpaper. Thoroughly remove sanding dust by vacuuming and washing.

#### TECHNICAL DATA:

Resin:	Epoxy
Solvent:	Water
Finish:	Gloss
Colour:	Clear
Cure Time:	Overnight (20°C/65% RH)
Walk on Time:	20-24 hours (20°C/65% RH)
Primer:	Not Applicable
Number of Coats:	1 required
Dry Film Thickness:	Not Applicable
Wet Film Thickness:	Not Applicable
Durability:	
Thinning and Clean Up:	Water
VOC:	0 g/litre
Pot Life:	30-60 mins
Mixing Ratio:	10:6:8 by Weight (Part A: Part B:Water)
Pack Size:	4, 10 Litre mixed (including water added by applicator)

#### SPREAD RATE:

Theoretical Coverage: 5-15 m<sup>2</sup>/litre/coat.  
Coverage depends on surface profile and porosity.

#### COMPUTER CODES:

Epotec WB Epoxy Sealer 71-700

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# EPOTEC WB EPOXY SEALER

## **SURFACE PREPARATION:**

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry and stable.

All cracks/holes and joints need to be treated as appropriate to suit the situation. Do not expect paint to bridge moving cracks/joints.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc, seek advice.

Before painting please read our EPOTEC Swimming Pool brochure and EPOTEC HIGH BUILD EPOXY or EPOTEC WB EPOXY data sheets. Most of the general information is covered in this literature.

## **GENERAL COMMENTS REGARDING SWIMMING POOLS:**

When painting a pool a number of facts need to be established. E.g. What is the construction of the pool. The following are the usual methods:

- Concrete, this can be pre-formed, sprayed or concrete block then plastered.
- If it's plastered, it is either sand and cement, or what's commonly referred to as marble plaster.
- The pool is of a fiberglass construction – Normally no sealer is required.

EPOTEC WB EPOXY SEALER is designed to bind and seal the surface so that the EPOTEC finish coat (either EPOTEC HIGH BUILD EPOXY or EPOTEC WB EPOXY) can form a thick layer to give long term protection. The life of the coating is proportional to film build.

If the surface has a good coating of paint on it, and all that is required is to 'freshen up' the look, EPOTEC WB EPOXY SEALER is not required. Refer to the EPOTEC Swimming Pool brochure on the preparation required.

## **NEW CONCRETE OR PLASTERED POOLS:**

Ensure the concrete or plaster is at least 28 days old. Make sure there is no oil or release agent on the concrete surface by thoroughly cleaning with a detergent followed by a water blast. A sponge finish is the preferred finish for plaster. If the concrete is smooth and hard the preferred method of preparation is to grind the surface. Acid etching (CONCRETE ETCH 10%) can be used but is less effective.

## **OLD CONCRETE OR PLASTERED POOLS:**

As above but use warm detergent on the top 300mm of the pool and steps to remove embedded body fats.

## **PREVIOUSLY PAINTED CONCRETE OR PLASTERED POOLS:**

Remove all loose, flaking or blistered paint and prepare the whole surface by machine grinding, sanding (40-60 grit) or abrasive blasting with Garnet, Soda Blast or UHP water blast. Blasting can only be done by professionals. All areas of freshly exposed concrete or plaster should be acid etched, washed down and dried before painting. If the previous coating is acrylic or Chlorinated Rubber, it must be completely removed.

## **ALL SURFACES:**

Apply the EPOTEC WB EPOXY SEALER to all un-coated areas. E.g. Over the whole pool if the previously coating has been completely removed or the bare patches if the pool still has some areas which still have paint on them. Some overlap on the coated edges is OK.

## **APPLICATION:**

Add all contents of Part B to Part A (Use a flat ended stirrer or spatula to scrape out contents of Part B). Mix Part A and Part B for several minutes or until uniform, using a mechanical mixer such as an electric drill and paddle. Use slow speed to avoid aeration. When fully mixed, add water to 10 litre fill mark (3-4cm from top of pail) for the 10 litre pack or add water to 4 litre fill mark for the 4 litre pack, and mix again until uniform.

## **ONLY ADD WATER AFTER PARTS A & B HAVE BEEN FULLY MIXED TOGETHER.**

Product can be applied by brush, or 8-12mm nap Dacron roller. Apply at 5-15 m<sup>2</sup>/ltr, depending on porosity of substrate. If surface still appears porous after curing, a second coat may be applied. A further 10-15% of water may be added to the mixed product to ease application if required.

The sealer must be fully cured (no milky patches) before application of top coats.

## **THINNING & CLEAN UP:**

Clean up in water. Use a small amount of detergent to aid clean up.

## **ENVIRONMENTAL:**

DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET.