

## EPOTEC PRIMER RC

TDS75-1317

<b>DESCRIPTION</b>	<p>EPOTEC PRIMER RC is a rapid cure protective laminate repair system for crack bridging. It is applied in-situ to provide a smooth, jointless system, which follows the substrate contours, profiles etc. is impact resistant waterproof surface. It forms a continuous membrane which is fully bonded to the substrate.</p> <p>The solvent free composition is compatible with a wide range of coverings including EPOTEC NT, TUFFLOOR WB 51, 41 SL, WB 2KPU topcoats.</p> <p>EPOTEC PRIMER RC</p> <ul style="list-style-type: none"> <li>- Water based</li> <li>- Easy clean</li> <li>- Can be applied to damp surfaces</li> <li>- Non-toxic, non-flammable</li> <li>- Low odour</li> <li>- Resist moss and mould growth</li> </ul>
<b>TYPICAL USES</b>	Epoxy Laminate repairs where a crack bridging membrane is required and a quick return to service.
<b>ENVIRONMENT</b>	Interior Immersion
<b>PERFORMANCE</b>	Rapid cure for quick return to service repairs.
<b>LIMITATIONS</b>	<ul style="list-style-type: none"> <li>• Care should be taken to ensure the freshly cured surface is not damaged in any way during subsequent treatments.</li> <li>• Do not heat areas using petrol- or gas-powered driers as carbon dioxide has a negative effect on cured strength.</li> <li>• Enclosed areas: ventilation should be provided during curing cycle to enable adequate evaporation of water</li> <li>- NOT a trafficable surface and must be covered with conventional floor or Pool coverings prior to traffic.</li> <li>• Do not apply to steel or metal surfaces as corrosion can occur.</li> <li>-Will tend to yellow over time when exposed to sunlight or UV light.</li> <li>• Dilute first coat sparingly with clean water if required. Do not dilute second or subsequent coats at all.</li> <li>• Do not apply over any curing substrates that have been previously treated or coated with curing compounds, PVA, Bondcrete or acrylics.</li> <li>• Not suitable for direct contact with drinking water</li> </ul>
<b>TECHNICAL DATA</b>	<p>Resin: Epoxy  Solvent: Water  Colour: White  Primer: Not applicable  Thining and Clean Up: Water  Potlife: 3 Hours @20°C  Pack Size: 20Kg  Cure Hard @20°C: 48 hours  VOC: &lt;20  Vol Solids: 41.3 percent  Touch Dry: 2 hours @20°C  Recoat Time: 3-4 Hours @20°C  Max Recoat Time: 48 Hours @20°C  Number of Coats: Varies with specification.  Theoretical Coverage: 5 m<sup>2</sup>/litre/coat  Wet Film Thickness: 500 microns  Dry Film Thickness: 207 microns</p>
<b>SPREAD RATE</b>	<p>Standard Application: 5 - m<sup>2</sup>/litre/coat  Standard Application: 5 - m<sup>2</sup>/litre/coat  Body Coat Single Fibreglass Layer System: 1.5 - m<sup>2</sup>/litre/coat  Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.</p>
<b>PRODUCT CODES</b>	75-1317.20

## SURFACE PREPARATION **Cementitious-Previously Painted Poor Cracked Leaking**

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

**Moss and Algae:** Any algae growth on surfaces must be killed off. The pool will need to be emptied and then treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (particularly cracks, loose and drummy areas, rebar leaching or efflorescence) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

**Surface preparation:** The method of preparation work (Sanding, grinding, media/soda blast, or UHP blasting, acid etching or other) must be discussed and documented separately. Generally, a full grind to remove existing coatings and profile the surface as above is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005

**Repair of Concrete Defects.**

All falls and levels to be accurately laid into the concrete.

The surface to be free of cement laitance or other contaminants and any roughly screeded or floated areas. No traces of cure membranes.

Ensure existing concrete is sound and stable with a minimum compressive strength of 25 MPA

Cracks in the concrete are to be chased and filled with EPOTEC TROWELABLE MORTAR .

Deep depressions, impact damage, are filled using EPOTEC MORTAR.

Repair of any unsatisfactory falls, levels with GEMREZ LV, or TUFFLOOR PRIMER KC filled with appropriate filler or aggregates.

Small holes / defects may be filled with EPOTEC EPOXY BOG.

## MIXING INSTRUCTIONS

- Each component should be individually mixed for a few minutes to ensure a homogeneous consistency
- If the product has been in long term low temperature storage, some crystallisation may develop. If the mix is grainy or lumpy do not use
- Using a mechanical stirrer with mixing paddle mix the two components for 2 minutes. Use low speed of 200 -300 rpm
- Avoid air entrapment while mixing
- Scrape the sides of the bucket and mix for a further 2 minutes
- Only mix as much material as may be used within 2 hours at 20°C. Discard any material which has exceeded the pot life. Higher temperatures will shorten the pot life.

## APPLICATION

- Work into minor voids or defects but do not overwork as this can induce pin-hole Check the wet film build regularly using a wet film thickness gauge to ensure a minimum of 125 microns wet film thickness is achieved
- Very porous concrete may require 2 primer coats. The first coat will act as a primer and penetrate into the pores of the concrete
- Allow to cure for a minimum of 12 hrs at 25°C/ 50% RH. before applying adhesives, mortars, decorative coatings, or other surface treatments

AIM TO COMPLETE APPLICATION OF THE MIXED CONTAINER PRIOR TO END OF POT LIFE.

NOTES:

If rooms where the product is being applied need to be warmed up, do not use heaters that burn hydrocarbons, otherwise the carbon dioxide and water vapour given off into the air will affect the sheen of the finish and may ruin its appearance. Use electric heaters only.

Protect the product from water for at least 24 hours after application.

### BRUSH/ROLLER

Apply using a brush or Wooster Pro-Dooz 10mm Nap paint roller

## COATING TECHNOLOGIES LIMITED

10 Andromeda Crescent, East Tamaki, Auckland 2013 Ph +64 9 837 0897 [www.cotec.co.nz](http://www.cotec.co.nz)

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**APPLICATION NOTES** Applied as a protective laminate system: Walls and Floors: use EPOTEC PRIMER RC & Fibreglass cloth to form a laminate.  
PrimerBasecoat/Fibreglass/Basecoat/Fibreglass/Topcoat.

Refer: PS-E017 Installation of EPOXY LAMINATE WATERPROOFING MEMBRANE SEPT 2023 for installation procedure.

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**THINNING** Water

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**ENVIRONMENTAL** This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. 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

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