

## RESIN BASED SURFACE DAMP PROOF MEMBRANE

### Description

RoK Aquabond is a solvent-free 2-component, epoxy resin based surface DPM. Designed to allow the early finishing of mineral substrates with moisture sensitive floor coverings such as resilient floor coverings, hardwood floors and resin systems.

### Typical Applications

- New sand/cement screeds and concrete with high residual moisture content
- For crack repair and case-hardening of friable and porous surfaces
- To provide a surface DPM where a structural DPM is not present or is ineffective\*
- As a primer/bonding coat (grit blinded) – especially on steel decking

\*In areas not subjected to hydrostatic pressure.

### Features

- Solvent-free
- Easy to apply
- Ensures the early installation of floor coverings

### Method of Application

#### 1 SURFACE PREPARATION

- Substrates must be free from cracks and structural defects.
- Old adhesive residues and existing self-levelling compound must be removed.
- Remove grease, oil, paint, sealers or any other contaminants that would inhibit proper bond.
- Mechanically abrade the surface to provide a key on smooth, dense surfaces and to remove laitance, surface barriers and contaminants.
- Use an industrial vacuum cleaner to remove all dust and debris.

#### 2 MIXING

- The entire contents of part B (hardener) should be poured in to the part A (resin) container and thoroughly mixed using a suitable slow speed electric mixer for one minute. The sides of the container should then be scraped and mixing should continue for a further 2 minutes or until uniform non-marbled colour is achieved.

Note: Because of the exothermic reaction the short pot-life is drastically reduced at higher temperatures

Hint: To extend the working time at high temperatures, immediately pour out the mixed RoK Aquabond.

#### 3 APPLICATION

- RoK Aquabond should be applied as soon as the mixing process is completed using a short pile roller, at 200-300 g/m<sup>2</sup> per coat dependent on the nature and texture of the substrate. The second coat, should be applied after a minimum of 8 hours drying time and must be applied within 36 hours at 25°C.
- Resin coating systems can be applied directly to the second coat of RoK Aquabond and must be applied within 36 hours.
- When overlaid with resin mortars a scatter coat of 1-1.7mm quartz aggregate (appropriate to the thickness of the resin finish) should be applied at approx. 1kg/m<sup>2</sup> to provide friction for ease of application.
- If Aquabond is not to be overlaid with a self-levelling resin within 36 hours, the second coat should be broadcast with 0.4 – 0.8 mm quartz aggregate until fully saturated. All loose sand should be removed after curing prior to applying the finish.
- When overlaid with cement-based self-levelling compounds, RoK Aquabond can either be broadcast with 0.4 – 0.8 quartz or left unsanded and be allowed to cure for 8 hours prior to receiving one coat of RoK DSP acrylic primer.

Note: the use of RoK DSP Dense Surface Primer is particularly convenient in commercial applications.

#### 4 CLEANING

- Uncured resin may be removed with soapy water or RoK Thinners No.1.



### TECHNICAL DATA

<b>Composition</b>	Solvent-free, 2-component epoxy	
<b>Colour</b>	Comp. A: Colourless Transparent	Comp. B : Transparent Amber
<b>Consistency</b>	Low viscosity resin	
<b>Specific Gravity</b>	1.20 g/m <sup>3</sup>	
<b>Coverage</b>	250-400g/m <sup>2</sup> per coat	
<b>Pot life</b>	40 minutes @ 25°C	
<b>Mixing Ratio</b>	2.5 : 1 weight	
<b>Application Temperature</b>	Preferably between 15°C and 30°C. Not below 5°C or above 35°C	
<b>Set to light foot traffic/overcoating</b>	8 hours	
<b>Packaging</b>	10 kg total weight. Part A (Plastic Bucket) + Part B (Plastic Jerry Can)	

### Storage

When stored in dry conditions out of sunlight in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C will reduce shelf life and product performance.

### Health and safety Precautions

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation.

Please see MSDS for further information.



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