

# RoKbond ESB



## SOLVENT FREE EPOXY BONDING AGENT FOR WET ON DRY APPLICATION OF CEMENT BASED SCREEDS AND MORTARS

### Description

RoKbond ESB is a solvent free, two-component epoxy resin based bonding agent, designed for use with ROK cement based screeds and proprietary screed materials.

### Typical Applications

For optimum adhesion of cementitious screeds and concrete to existing concrete or screed substrates.

### Features

- Excellent adhesion
- Easy to apply
- Solvent free
- Interior and exterior applications
- Moisture tolerant

### Packaging

14 kgs

### Method of Application

#### 1 SURFACE PREPARATION

- Prepare the substrate by either shot blasting, scabbling or diamond grinding to remove surface laitance, unsound material, plaster, existing paint finishes, oil, grease and any other contaminants to provide a clean, open textured substrate.
- Vacuum to remove any dust and debris deposits created by the preparation process.

#### 2 MIXING

- The entire contents of part B (hardener) should be poured into the part A (resin) and thoroughly mixed using a suitable slow speed electric mixer for 1 minute. The sides of the container should then be scraped and mixing should continue for a further 2 minutes.

#### 3 APPLICATION

- RoKbond ESB should be applied as soon as the mixing process is completed using a medium pile roller or brush at 0.3 ltr / m<sup>2</sup>. Porous substrates may require pre – priming with RoKprime EPSF. Only apply as much bonding agent as can be overlaid whilst still wet, within 2-3 hours depending on temperature.

#### 4 CLEANING

- All tools should be cleaned using water prior to curing. Cured material can only be removed mechanically.

### Note:

- There should be a fully functioning vapour barrier below all concrete substrates.
- Surface moisture content of the concrete substrate should be less than 8%.
- Materials on site should not be stored in direct sunlight and should be kept in temperatures at or below 27 degrees.

### TECHNICAL DATA

<b>Flexural Strength</b>	>25N/mm <sup>2</sup> (BS 6319:3)
<b>Compressive Strength</b>	>40N/mm <sup>2</sup> (BS 6319:2)
<b>Tensile Strength</b>	>3.5N/mm <sup>2</sup> (BS 6319:7)
<b>Bond Strength</b>	Greater than host concrete (ASTM C811)

### Theoretical Coverage

0.3ltr/m<sup>2</sup>.

### 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. See MSDS for further information.

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