

## SODAL MOISTURE BARRIER 1 COAT

### DESCRIPTION

**Moisture Barrier 1 Coat** is a two part waterborne epoxy coating system designed to act as a single coat moisture and vapour barrier primarily over rigid cementitious substrates. Designed specifically for use with the Soudal range of timber flooring adhesives.

### FEATURES AND BENEFITS

Environmentally friendly.  
Water cleanup.  
Convenient equal part mixing.  
Single coat application.  
Non flammable.  
Negligible odour and toxicity.  
Excellent adhesion to brick, masonry, concrete, compressed fibreboard, stone and timber.

### RECOMMENDED APPLICATIONS

- In-situ concrete
- Brick, block and stone work
- Fibre cement and AAC systems
- Pre cast and tilt up panels

<b>TYPICAL PROPERTIES</b>	<b>Property</b>	<b>Result</b>
Appearance		Uniform liquid
Colour		Grey
Finish		Semi Gloss
Specific Gravity		Approx 1.1 kg/l
Viscosity		Approx 2500 cps
Recoat Time		1 hour at 25°C
Adhesive can be applied after		16 hours at 25°C
Adhesive must be applied within (After 72 hours – recoat)		72 hours
Full Cure		7 days at 25°C
Weight Solids		54 +/- 2%
Volume Solids		43 +/- 2%
Water Vapour Trans. (ASTM E96-05)		16.5 g/m <sup>2</sup> /24hrs
VOC (APAS D181)		45.3 g/ltr

### PACKAGING

**Moisture Barrier 1 Coat** is available in 8 litre kit as standard. Other sizes available on request.

### COVERAGE RATES

As a Water Vapour Barrier ⇒ 5 sqm/litre  
As a concrete sealer ⇒ 7 sqm/litre

### APPLICATION DIRECTIONS

#### Surface Preparation.

All surfaces to be treated must be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other suitable means. All surfaces must be cleaned free from dirt, grease, oil or other surface contaminants.

Holes, non-structural cracks and other surface deformities should be repaired using a Third Party product in accordance with the technical data sheets.

Very porous or “boney” concrete may require additional coats of **Moisture Barrier 1 Coat**. The first coat acting as a primer, penetrating into the pores of the concrete. Ensure recoat times are adhered to between applications (refer to precautions).

#### Mixing.

Mixing should be by means of a mechanical forced action mixer with a high shear stirrer.



Avoid trapping air during mixing as this may cause later pin holing in the coating during application.

**Placing.**

- The coverage rate as specified must be achieved to ensure adequate performance.
- Apply by low pressure spray. Successive coats should be applied at right angles to the previous coat.
- It is recommended that as application progresses, the coating depth be tested at random points with a wet film gauge/comb.

**CLEAN UP**

Wash all equipment in water or water/detergent immediately on completion of application.

**PRECAUTIONS**

- Moisture Barrier 1 Coat should never be diluted.
- Some individuals may experience a skin reaction to Moisture Barrier 1 Coat. Those individuals should wear personal protection equipment. Refer to our Material Safety Data Sheet for more information.
- Moisture Barrier 1 Coat cure rates will be dramatically reduced if relative humidity is above 85%.
- Moisture Barrier 1 Coat should never be diluted.
- Do not apply to steel or metal surfaces, as corrosion will occur.
- Do not add cementitious products to Moisture Barrier 1 Coat.
- In enclosed areas, such as water tanks or reservoirs, ventilation should be provided during curing cycle to enable adequate evaporation of the coating.
- Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface.

**COOL SUBSTRATES AND COOL CLIMATES**

**Moisture Barrier 1 Coat** curing rates will be dramatically reduced if substrate surface or ambient temperature is below +10°C.

If possible warm the substrate surface area where **Moisture Barrier 1 Coat** is to be applied by air blower or use a blower after application.

Always provide adequate ventilation during the curing cycle.

**STORAGE**

**Moisture Barrier 1 Coat** should be stored between 10°C and 30°C away from direct sunlight. Shelf life is 12 months in original unopened container. Partly used containers must be sealed tight when not in use.

**FIRE**

**Moisture Barrier 1 Coat** is non-flammable and as such does not pose a fire risk.

**WARRANTY**

Soudal Australia offers a 10-year warranty on **Moisture Barrier 1 Coat** when applied in accordance with the current Technical Data Sheet, and maintained in accordance with our current maintenance regime. Customers should refer to our full Warranty documentation for further information and conditions. This documentation is available on our website.

**DISCLAIMER** The information, and, in particular, the recommendations relating to the application and end-use of Soudal Australia' products, are given in good faith based on Soudal Australia' current knowledge and experience of the products when properly stored, handled and applied under normal conditions. It is your responsibility to ensure that our products meet your requirements, are used and handled correctly in accordance with any applicable Australian Standard, our instructions and recommendations and only used for the applications for which they are intended.

In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.