Ecoset Moisture Sealer.

TDS (Technical Data Sheet)

Waterborne Epoxy Moisture Vapour Barrier and Primer.

DESCRIPTION

Ecoset Moisture Sealer is a two-part waterborne epoxy coating system designed to act as a moisture and vapour barrier primarily over rigid cementitious substrates.

FEATURES AND BENEFITS

- Environmentally Friendly
- Water cleanup.
- Convenient equal part mixing.
- 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 stonework
- Fibre cement and AAC systems
- Precast and tilt up panels

TYPICAL PROPERTIES

Property	Result
Appearance	Uniform liquid
Colour	Grey
Finish	Semi-Gloss
Specific Gravity	Approx 1.1 kg/l
Viscosity	Approx 25000 cps
Recoat Time	4 hours at 25°C
Full Cure	7 days at 25°C
Weight Solids	54 +/- 2%
Volume Solids	43 +/- 2%
Water Vapour Trans. (ASTM E96-05)	11.3 g/m²/24hrs
VOC (APAS D181)	<10.0 g/ltr

PACKAGING

Ecoset Moisture Sealer is available in a 20-litre kit.

2 x 10 Litre Part A and Part B

COVERAGE RATES

Water Vapour Barrier 1 Coats Approx 82m2

Complete sealer 2 Coats Approx 41m2

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 Ecoset Moisture Sealer. The first coat acting as a primer, penetrating 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.

MIXING. (continued)

- 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

- Some individuals may experience a skin reaction to Ecoset Moisture Sealer. Those individuals should wear personal protection equipment. Refer to our Material Safety Data Sheet for more information.
- Ecoset Moisture Sealer rates will be dramatically reduced if relative humidity is above 85%.
- Ecoset Moisture Sealer should never be diluted.
- Do not apply to steel or metal surfaces, as corrosion will occur.
- Do not add cementitious products to Ecoset Moisture Sealer
- 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

Ecoset Moisture Sealer curing rates will be dramatically reduced if substrate surface or ambient temperature is below +10°C.

If possible warm the substrate surface area where Ecoset Moisture Sealer is to be applied by air blower or use a blower after application.

Always provide adequate ventilation during the curing cycle.

STORAGE

Ecoset Moisture Sealer 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

Ecoset Moisture Sealer is non-flammable and as such does not pose a fire risk.

WARRANTY

Ecoset offers a 10-year warranty on Ecoset Moisture Sealer 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 the recommendations relating to the application and end-use of Ecoset products, are given in good faith based on Ecoset 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.

Ecoset Australia

6/62 Hume Hwy Lansvale NSW 2162

Phone 1800 ECO SET 1800 326 738

Email : orders@ecoset.com.au