

# MOISTURE SEAL EPOXY WATER VAPOUR BARRIER

**Product Description:**

Protek Moisture Seal is a water based 2 part epoxy designed as a water and vapour proof coating under water proofing membranes and / or adhesives..

**Areas of use:**

- Used as a base water proofing system prior to the application of water proofing membranes or adhesives where a water and vapour transmission barrier is required.
- Suitable for use in conjunction with other coatings – examples – decorative paints, protective coatings, tiling adhesives and other floor preparation products.
- Retaining walls , planter boxes, lift wells, concrete tanks, basements, tanks, reservoirs, aquaducts, underground car parks etc.

**Features:**

- Australian Made
- Convenient mixing ratio 1:1 by volume
- Easy clean up with water
- Withstands hydrostatic head of water pressure up to 25 metres or 250 kPa
- Solvent free
- Conforms to ASTM E96 for water vapour transmission
- Conforms to AS 4020:2005 "Products for in use in contact with drinking water"
- Excellent adhesion to building substrates including concrete, fibre cement, stone and masonry

**Acceptable Substrates:**

- Concrete, Pre cast concrete, Bricks, Masonry, Cement sheet, Structural plywood, Metal. Ensure all oil, rust or other deleterious matter is removed prior to application.
- Always contact the manufacturer if in any doubt re substrates to be bonded

**Application Procedure and Equipment:**

- Protek Moisture Seal is a minimum two-coat system. The coverage rate as specified must be achieved to ensure water transmission barrier and low vapour permeability is obtained
- Apply with a brush, roller or by spraying ensuring the material is worked into the substrate surface eliminate pin holing. Applying the two coats with this method, and allowing for the evaporation loss, the final dry film thickness should be achieved as specified
- Protek Moisture Seal will experience 50% evaporation loss from each coating application while curing. (Wet 200 microns will dry to 100 microns).
- Test the depth of coats with a wet film gauge 200 microns at regular intervals

**Preparation:**

- Best mixing temperature for product is between 20°C and 25°C
- All surfaces must be clean, dry, and free from any mould release compounds, oil, wax or other deleterious matter.
- All bonding surfaces shall be to original surface – any backing materials must be removed
- Where necessary grind back of substrate to provide a clean bonding surface – ensure all dust or residue is removed before
- Repair non structural holes and cracks with an epoxy base cement mortar

**Mixing:**

- Combine equal parts Part A and Part B by volume.
- Mix until colour is uniform (light grey) – make sure sides and bottom of container are scraped to ensure complete mixing

**Cleaning:**

- Clean up should be done as soon as possible after mixing using warm water with soap or detergent.

**Limitations:**

- Protek Moisture Seal cure rates will be affected by surface and ambient temperature, and high relative humidity.
- Protek Moisture Seal after mixing can be diluted 1: 1 with water to prime highly porous surfaces.
- Seal all steel or metal surfaces before application of Protek Moisture Seal as corrosion may occur.
- Protek Moisture Seal is a vapour barrier and not a flexible waterproof membrane. A dedicated flexible membrane from the REBOUND ACE range should be used if a waterproof membrane in conjunction with a vapour barrier is required.
- Protek Moisture Seal is not trafficable and must be covered with floor toppings, coatings or conventional coverings prior to foot or vehicle traffic introduction.
- In enclosed areas, such as water tanks or reservoirs, ventilation should be provided to enable adequate curing.

**MOISTURE SEAL EPOXY WATER VAPOUR BARRIER****Limitations Continued:**

- Allow to cure for a minimum of 24 hours at 25°C/50% R.H. before applying adhesives, mortars, decorative coatings or other surface treatments.
- Protek Moisture Seal will tend to yellow when exposed to UV light.
- Discard any material that has exceeded the pot life or working time of the product.
- 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.
- Do not apply if rain is imminent
- Do not expose to running water or full immersion for at least 24 hours

**Packaging:**

- 8 litre and 20 litre kits

**Shelf Life:**

- Product will remain usable unmixed for a period of 12 months if stored between 5°C and 35°C

**Coverage:**

- Protek Moisture Seal must be applied in 2 coats to achieve a minimum thickness of 200 microns per coat.
- Apply the first and second coats each using 1 litre per 4 to 5 square metres
- Allow 4 hours between coats
- Full cure is achieved after 5 – 7 days at 25°C

**Safety Precautions:**

- Avoid contact with skin and eyes – always wear protective clothing including gloves. Use of a barrier cream on hands prior to commencement is recommended.
- Ensure adequate ventilation and avoid breathing vapours.
- Keep away from children
- If swallowed do not induce vomiting, give plenty of milk and water – SEEK MEDICAL ADVICE.
- For more detailed information refer to MSDS [Material Safety Data Sheet]

**Availability:**

- Protek Moisture Seal is available Australia wide through the Rebound Ace network of distributors.
- Please contact Rebound Ace on (07) 3723 8800 for your nearest distributor

**Important:**

Information and recommendations provided in this Technical data sheet are provided in good faith based on experience and current knowledge. It is Important to note – All information is based on correct application and correct preparation of work. Differences in materials, site conditions, substrates, method of application make it impossible to provide a warranty- no legal relationship can be inferred from neither this information nor any liability. All orders are accepted subject to our terms and conditions of sale.

**PLEASE CONSULT TECHNICAL DEPARTMENT FOR PRODUCT RECOMMENDATIONS AND ADVICE PRE-TESTING OF SUBSTRATES IS AVAILABLE TO ENSURE PERFORMANCE OF PRODUCT UNDER ALL CONDITIONS**

**Warranty Conditions**

Rebound Ace guarantee this product for 12 years provided application is in accordance with manufacturer's written directions for use and the Australian Standard for Tiling Practice (AS3958.1-2007). The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will REBOUND ACE Pty Ltd. be liable to anyone except for replacement of the products or refund of the purchase price. REBOUND ACE Pty. Ltd. guarantee this product for 12 years provided application is in accordance with manufacturer's written directions for use and the Australian Standard for Tiling Practice (AS3958.1-2007). The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will REBOUND ACE Pty Ltd. be liable to anyone except for replacement of the products or refund of the purchase price.