



# LEAKPROOF

## DAMPSEAL MOISTURE BARRIER

# Technical Data Sheet

### PRODUCT DESCRIPTION:

B&L Leakproof Dampseal Moisture Barrier is a two - part water based epoxy negative pressure membrane, designed to combine excellent adhesion and toughness as a water and vapour proof coating under waterproofing 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.

- Under timber floors.
- Negative pressure membrane.
- Chemical resistant coating.
- Suitable for use in conjunction with other coatings such as: decorative paints, protective coatings, tiling adhesives and other floor preparation products.
- Retaining walls, planter boxes, lift wells, concrete tanks, basements, tanks, reservoirs, aqueducts, underground car parks etc.

### FEATURES:

- Australian Made
- VOC - 0g/L. *SCAQMD Rule 1168*
- Solvent Free
- Convenient mixing ratio 1:1 by volume
- Conforms to ASTM E96 for water vapour transmission
- Easy to apply and clean up with water
- Conforms to AS 4020:2005 "Products for use in contact with drinking water"
- Withstands hydrostatic head of water pressure up to 25 metres or 250 kPa
- 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 regarding substrates to be bonded.

### APPLICATION PROCEDURE AND EQUIPMENT:

B&L Leakproof Dampseal Moisture Barrier is a minimum two (2) 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 or roller ensuring the material is worked into the substrate surface to 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.

B&L Leakproof Dampseal Moisture Barrier will experience 50% evaporation loss from each coating application while curing (wet 200 microns will dry to 100 microns).

Test the depth of each coat with a B&L Wet Film Gauge at regular intervals; the wet film depth on application is to be 200 microns.

### 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 grinding back of the substrate to provide a clean bonding surface is necessary, ensure all dust or residue is removed before applying product.

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.

Do not mix more than can be used before the product has exceeded its pot life; pot life is 1 hour at 25°C 50% RH.

## **CLEANING:**

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

## **LIMITATIONS:**

B&L Leakproof Dampseal Moisture Barrier cure rates will be affected by surface and ambient temperature, and high relative humidity.

B&L Leakproof Dampseal Moisture Barrier after mixing can be diluted up to 20% with water to prime highly porous surfaces. Seal all steel or metal surfaces before application of B&L Leakproof Dampseal Moisture Barrier as corrosion may occur. B&L Leakproof Dampseal Moisture Barrier is a vapour barrier and not a flexible waterproof membrane. A dedicated flexible membrane from the B&L range should be used if a waterproof membrane in conjunction with a vapour barrier is required. In enclosed areas, such as water tanks or reservoirs, ventilation should be provided to enable adequate curing. 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.

B&L Leakproof Dampseal Moisture Barrier 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 contaminant 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 if unmixed for a period of 12 months if stored between 5°C and 35°C.

## **COVERAGE:**

B&L Leakproof Dampseal Moisture Barrier must be applied in two (2) coats to achieve a minimum thickness of 200 microns per coat.

Apply the first and second coats each using 1 litre per 4-5 square metres.

Allow 4 hours between coats.

Full cure is achieved after 5 – 7 days at 25°C.

## **HEALTH & SAFETY:**

- 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.
- Safety Data Sheets (SDS) are available on our website, [www.apzcaust.com.au](http://www.apzcaust.com.au).
- Read the Safety Data Sheet and Technical Data Sheet carefully before using this product.

## **DISCLAIMER:**

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 OUR TECHNICAL DEPARTMENT ON 1300 394 239 FOR PRODUCT RECOMMENDATIONS AND ADVICE. PRE-TESTING OF SUBSTRATES IS AVAILABLE TO ENSURE PERFORMANCE OF PRODUCT UNDER ALL CONDITIONS.



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