



# MOISTURE SEAL

## EPOXY WATER VAPOUR BARRIER

### KEY FEATURES

- Accepts a wide range of coverings
- Excellent bond to a range of substrates
- Easy 1:1 mixing ratio (by volume)
- Conforms to ASTM E96 water vapour transmission (negative pressure) test
- Approved for direct contact with potable (drinking) water (AS4020:2005)
- Withstands hydrostatic water pressure up to 25m or 250kpa

### DESCRIPTION

Two part epoxy for priming under flooring adhesives and waterproofing membranes. An approved moisture / vapour barrier suitable for direct contact with drinking water. The solvent free composition is compatible with a wide range of coverings including the Bostik Ultraset flooring adhesives and Dampfix waterproofing ranges.

### COMPATIBLE SUBSTRATES

- Concrete
- Fibre Cement
- Stone
- Masonry
- Structural Plywood
- Metal
- Brick
- AAC

### SURFACE PREPARATION

Check that the surfaces is structurally sound, clean and dry. Remove all surface contaminations as well as loose or friable material. In particular make sure no laitance, grease, oil, or dirt is present. Check that all curing compounds, bonding agents, coatings and other contaminants are either not present or have been completely removed. In some cases physical removal methods such as shot blasting or grinding may be needed. Repair voids and defect as required. In most cases the Bostik Patchfix range can be considered. Contact Bostik for specific advice if there is any uncertainty.

### APPLICATION INSTRUCTION

#### MIXING

PAGE 1 OF 2

### PERFORMANCE PROPERTIES

Typical properties conducted at 25°C and 50% Relative Humidity (300g cup)

Colour	Green
Pot Life	70 to 90 minutes
Recoat Time	Minimum 4 hours
Cure time before covering	Minimum 24 hours
Full cure	5 to 7 days
VOC	0 g/Lt

This is a two part system and Part A must only be used with Part B in a 1:1 ratio. All mixing must be done with a mechanical mixer and high shear paddle.

- Open the Part A pail and briefly mix the contents.
- Open the Part B pail and mix briefly.
- Combine Part B into Part A with continuous mixing.
- Mix until a uniform colour and consistency is achieved.

#### Mixing Tips:

Avoid entrapping air while mixing. This can result in pin holes in the applied coat. Scrape the sides and bottom of the container during mixing to ensure parts are well combined. Do Not dilute.

#### APPLICATION

When applied as a vapour barrier, two coats are required. Apply with a brush, roller or airless spray. Ensure a minimum of 200 µm (0.2mm) minimum wet film thickness achieved for each coat (check regularly with a wet film thickness gauge). Apply the second coat perpendicular to the first coat.

Work into minor voids or defects but do not over-work as this can induce pin-holes.

A third coat may be required if the substrates is very porous or if pin-holes are visible.

Do not use product that has hardened in the mixing pail.

#### Application Tips :

Pin holes will compromise performance. If any are visible, apply additional coats.

Applying only one coat will increase the likelihood of

pin-holes allowing the passage of moisture, even when applied at 400 µm wet film thickness. In addition, a single coat at 400 µm will take longer time to cure than 2 coats at 200 µm. As such always apply two coats as a minimum.

**IMPORTANT NOTES**

- This is a two part system. Part A must be used with Part B in equal volume.
- Read the Material Safety Data Sheet before using.
- Use full kits whenever possible. Otherwise measure parts carefully to ensure correct ratio is used.
- Mixing at an incorrect ratio will affect performance and should be avoided.
- Under no circumstances is this product to be diluted. Performance will be adversely affected if water is added at any stage before full cure.
- Ensure the parts are well mixed as insufficient mixing will affect performance.
- This product will lose 50% of its volume when cured. So the dry film thickness will be half of the wet film thickness.
- A minimum of two coats must be applied at a total minimum dry film thickness of 200µm / 0.2mm. Achieve this by applying two coats at a wet film thickness of 200µm / 0.2mm per coat.
- Seal all metal and steel surfaces before application to avoid corrosion.
- This product is not trafficable. Protect from damage until covered.
- Only use in ambient conditions between 5 to 35°C and < 85% RH.
- Enclosed areas may require ventilation to facilitate curing.
- It is recommended that the treated surface be covered within 7 days. If longer, apply and cure an additional coat before covering.
- This is a vapour barrier and not a flexible waterproof membrane. Contact Bostik for advice regarding the most suitable membrane if one is required.
- This product may yellow when exposed to UV light.
- Do not apply if rain is imminent. Protect from water

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. However, no warranty in respect of merchantability or 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. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik be liable to anyone except for replacement of the products or refund of the purchase price.

for at least 24 hours.

- Although this product is compatible with most conventional, commercially available paints, and industrial surface coatings such as epoxy, acrylic, polyurethane and polyester, it is recommended that confirmation from Bostik is attained before covering.
- Contact Bostik before work commences if there is any doubts regarding product suitability, substrate preparation or product use.

**PACKAGING**

10 Litre kits

**CLEAN UP**

Remove as soon as possible using warm water and detergent. If allowed to harden, it must be removed mechanically.

**RECOMMENDED COVERAGE**

This product must be applied in minimum 2 coats.

Number of coats	1 Litre	10 Litres
1 coat (at 200 µm wet film thickness)	Approx. 4 to 5 m <sup>2</sup>	Approx. 40 to 50 m <sup>2</sup>
2 coats (at 200 µm wet film thickness per coat)	Approx. 2 to 2.5 m <sup>2</sup>	Approx. 20 to 25 m <sup>2</sup>

Actual coverage depends on substrate condition. More product may be required if surface is uneven or has high porosity. Always allow 10 to 15% wastage.

**STORAGE AND SHELF LIFE**

Product will remain useable for 12 months when stored unmixed, off the ground in a cool, dry and weatherproof environment. Store between 5 to 35°C.

**HEALTH AND SAFETY**

Avoid skin and eye contact. Use of glove is recommended. If splashed, necessary seek medication. For more detailed information, refer to Material Safety Data Sheet.

**BOSTIK HOTLINE**  
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This document supersedes all previously published literature.