

# MOISTURE SEAL

## EPOXY WATER VAPOUR BARRIER

19 October 2018

### YOUR SMART ADVANTAGES

- Hydrostatic pressure tested to ASTM1306C-05A – exceeds 45psi or 310kPa\*
- Water vapor transmission rate tested to ASTM E96/E at <0.28g/h/m<sup>2</sup>\*
- Water based
- Easy clean
- Can be applied to damp surfaces
- Non-flammable
- Low odour
- Excellent adhesion to most substrates including bricks, masonry, concrete, compressed fibreboard, stone and timber
- Convenient equal parts mixing ratio by weight or by volume

### USES

- For sealing concrete and masonry surfaces from water ingress or rising damp.
- Can be used for waterproofing basements, concrete tanks and reservoirs, lift wells, tunnels and subways.
- Can be used with the Bostik Ultraset flooring adhesive and Dampfix waterproofing ranges.
- Vapour barrier and primer prior to the application of cementitious floor screeds or self-levelling compounds.
- Barrier coating over freshly laid (green), hardened concrete.
- As a vapour barrier on concrete or masonry prior to the application of timber flooring or panels.
- Compatible with a wide range of coverings.

### PRODUCT CHARACTERISTICS

Colour	
Part A (resin)	Dark Grey
Part B (hardener)	White
Mixed colour	Mid grey
Mixing ratio	1:1 by mass or volume
Pot Life	2 hours at 20°C
Coverage	
First coat	6 – 8m <sup>2</sup> /L
Second coat	8 – 10m <sup>2</sup> /L

Touch dry	4 hours at 20°C 8 hours at 10°C
Recoat	8 hours at 20°C.
Maximum recoat time	48 hours at 20°C
Application temperature	10 to 30°C
Product codes	
8L kit (2 x 4L each Part A and B)	30613027
20L Kit (10L Part A in 10L pail and 10L Part B in a 20L pail)	30613028

### TYPICAL PERFORMANCE DATA (approx..)

Hydrostatic pressure tested >45psi (>310kPa)\*  
to ASTM1306C-05A

Water vapor transmission rate <0.28g/h/m<sup>2</sup>\*  
tested to ASTM E96/E

\*Note: Water vapour transmission rate and Hydrostatic pressure data stated in this Technical Data Sheet is based on independent laboratory testing. Actual measured data may vary due to circumstances beyond our control

### DIRECTIONS FOR USE

Read and understand the Material Safety Data Sheet before using this product.

It is recommended that this product is fully evaluated as suitable for the application methods to be employed and for suitability of performance both initially and for the expected life of your product under the condition it is expected to withstand.

### SURFACE PREPARATION

All surfaces to be treated must be structurally sound and all previous coatings and/or adhesives removed. Efflorescence or laitance should be removed by suitable means.

Ensure all surfaces are clean and free from all loose paint, dust, grease and release agents. Repair any mortar prior to application of Bostik Moisture Seal. If surfaces are wet, dry off with a hot flame then apply Bostik Moisture Seal before moisture returns.

# Bostik Moisture Seal

Bostik Moisture Seal will tolerate a damp surface but will not cure if there is any free standing water or excessively saturated surfaces.

## APPLICATION

### MIXING

- Each component should be individually mixed for a few minutes to ensure a homogeneous consistency.
- If the product has been in long term low temperature storage, some crystallisation may develop. If the mix is grainy or lumpy do not use
- Using a mechanical stirrer with mixing paddle mix the two components for 2 minutes. Use low speed of 200 – 300rpm
- Avoid air entrapment while mixing.
- Scrape the sides of the bucket and mix for a further 2 minutes.
- Only mix as much material as may be used within 2 hours at 20°C. Discard any material which has exceeded the pot life. Higher temperatures will shorten the pot life.

### APPLYING

- Apply using a brush or short nap synthetic paint roller.
- Work into minor voids or defects but do not over-work as this can induce pin-holes.
- Check the wet film build regularly using a wet film thickness gauge to ensure a minimum of 125 microns wet film thickness is achieved.
- Discard product that has hardened in the mixing pail.
- Allow to cure for a minimum of 8 hours and apply a second coat at right angles to the first coat to help eliminate pin holes and voids.
- To ensure the correct vapour flow rate and permeance is obtained, a minimum of two coats with a final dry film thickness of 105µm is required.
- Very porous concrete may require 3 coats of Moisture Seal. The first coat will act as a primer and penetrate into the pores of the concrete.
- Allow to cure for a minimum of 24 hrs at 25°C/50% RH. before applying adhesives, mortars, decorative coatings or other surface treatments.
- Self levelling application: A minimum of two coats of Moisture Seal must be applied. The second coat may act as the primer coat for the self levelling compound.

### LIMITATIONS

- Do not apply if the surface temperature is below 10°C or if there is more than 85% relative humidity.
- Care should be taken to ensure the freshly cured surface is not damaged in any way during subsequent treatments.
- Do not heat areas using petrol or gas powered driers as carbon dioxide has a negative effect on cured strength.
- Enclosed areas: ventilation should be provided during curing cycle to enable adequate evaporation of water.
- A water vapour membrane must be free from any misses or pinholes in the coating.
- Moisture Seal is NOT a trafficable surface and must be covered with conventional floor or wall coverings prior to traffic.
- Do not apply to steel or metal surfaces as

corrosion can occur.

- Moisture Seal will tend to yellow over time when exposed to sunlight or UV light.
- Dilute first coat sparingly with clean water if required. Do not dilute second coat at all.
- Do not apply over any curing substrates that have been previously treated or coated with curing compounds, PVA, Bondcrete or acrylics.

### CLEANING

Wash all equipment in water or water/detergent immediately on completion of application and use. Moisture Seal will cure under water, ensure dirty equipment is not left soaking in water. Cured material can only be removed mechanically.

### STORAGE AND SHELF LIFE

Store between 10°C and 30°C away from sunlight. Protect from frost. Shelf life is 12 months from the date of manufacture when stored as directed.

### DISPOSAL

Absorb with sand or soil. Collect and seal in properly labelled containers for disposal at an authorised waste disposal site. Ensure wash water discharges to sewer only. Do not allow wash water to enter stormwater drains.

BOSTIK HOTLINE

Smart help 0508 222 777



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