



Boscoseal PUW

WATER-BASED MODIFIED POLYURETHANE WATERPROOFING MEMBRANE

DESCRIPTION

Boscoseal PUW is one component water-based modified Polyurethane liquid applied waterproofing membrane. After curing it provides a tough, highly elastomeric, impervious barrier to moisture. Suitable for application by brush, roller or trowel.

FEATURES AND BENEFITS

- Maximizes waterproofing within concrete.
- Withstand extreme hydrostatic pressure > 7 bar
- Exceptional durability -20°C to 50°C.
- Reduces shrinkage and cracking.
- Protection of concrete against certain aggressive chemicals including chloride attack to steel reinforcing.
- Sealing static cracks up to 0.4mm.
- Complies with SS 375 : 2001 - Portable water.

RECOMMENDED USES

- Masonry walls, foundations and basements
- Roof lap slabs, balconies and courtyard
- Beneath terrazzo, paving and quarry tiles
- Bathrooms, laundries and wet areas prior to tiling
- Planter boxes

APPLICATION PROCEDURE

Substrate Preparation

All surfaces must be clean, dry, free of voids, curing compounds, loose materials, oil, grease, sealers and determined to be structurally sound before application of Boscoseal PU. New concrete must have cured for 28 days.

Cracks and other defects must be repaired. Seal all cracks or joints of 2mm in width with Bostik Ultraseal Fillet and Seal before waterproofing application.

Boscoseal PUW can be applied immediately over Ultraseal Fillet and Seal after initial set of approximately 45 minutes at 25°C.

Priming

Boscoseal PUW does not require priming on clean and dry substrates but necessary for areas of infiltration. Dilute a portion of Boscoseal PUW with 2 portion of clean



water as primer. Allow primer to cure for approximate 30 minutes.

Mixing

Boscoseal PU does not require any mixing. Stir product to an even smooth consistency before use.

Placing

Boscoseal PUW can be applied by brush, roller, trowel or squeegee.

Boscoseal PUW should be applied to achieve a dry film thickness of minimum 1mm for optimum performance. To achieve this dry film thickness, apply Boscoseal PUW at 1 kg per m².per layer x 2 layers. Minimum 2 layers application needed.

Extremely porous surfaces should be filled prior to application. Apply Boscoseal PUW evenly to avoid thin spots, air entrapment or pin holes. Any defects can be repaired by over coating with Boscoseal PUW.

For applications where two layers of Boscoseal PUW are required, allow 8 hours between layers.

Protection boards must be used to protect the membrane before back filling or concreting. If Boscoseal PUW is damaged, repair by cleaning the surface and recoat with another layer of Boscoseal PUW.

Precautions

Boscoseal PUW should not be applied on wet, contaminated or friable substrate.

Rate of membrane cure will be inhibited when air or substrate temperatures are below 5°C.

Should not be applied greater than 3kg per m² in one application as the likelihood of foaming may occur.

Requires atmospheric moisture to fully cure. It should not be used on totally confined or air free spaces.

Mortar bed screed or tiling should not be carried out until membrane is fully cured.

To eliminate possible surface contamination, tiling work should be carried out as soon as possible after curing or following trade protection may be required.

Bostik Boscoseal PUW membrane should never be used as an exposed finish or as top coating exterior membrane.

Any intention use of Boscoseal PUW out of recommended uses, should refer to Bostik technical services for approval.

Not suitable to apply on any form of lightweight concrete.

PERFORMANCE PROPERTIES	
Typical properties conducted after 7 days at 25°C and 50% RH	
Form	Smooth Paste
Colour	Black Coffee
Shore 'A' Hardness	25
Elongation	> 700%
Puncture Resistant	1.5 kgf
Tensile Strength	20 kgf/cm ²
Moisture Vapour transmission	6.2g/hour/ft ² x h x inc x Hg
Cure Time	24 hours
Flammability	Non Flammable
Conforms to ASTM D-412, ASTM E-154, ASTM E-96	

P.A.T.S. PROGRAMME

(Pretested Adhesion To Substrate)

Bostik offers a service in which a program has been established to eliminate potential field problems by pre-testing Bostik coatings and membranes with samples of building materials to which the systems will be applied. This service is available on large projects where pre application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

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Coverage

1 kg/m²/layer x 2 layers

Packaging

20 kg plastic pail

Cleaning

Boscoseal PUW can be cleaned with water before curing.

Storage and Shelf Life

Store material between 5°C and 30°C in cover and dry place out of direct sun light. Boscoseal PUW has a shelf life of 12 months from date of manufacturing if stored properly in original, sealed and unopened container.

Health and Safety

On contact, uncured membrane causes irritation. Gloves and protective goggles must be worn during stirring, application, and use. Avoid contact with skin, eyes and avoid breathing in vapour. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do not induce vomiting. Give a glass of water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor. For more detailed information, refer to Material Safety Data Sheet.

DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

BOSTIK HOTLINE

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