



# Bosco seal PU

## LIQUID POLYURETHANE WATERPROOFING MEMBRANE

### DESCRIPTION

Bosco seal PU is a one-part ready to use coal tar free bitumen modified, moisture curing polyurethane membrane. After curing it provides a tough highly elastomeric, impervious barrier to moisture. Suitable for application by brush, roller or trowel.

### FEATURES AND BENEFITS

- Coal tar free
- One Part Polyurethane ready to use
- Brush, roller or trowel applied
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Non re-emulsifying

### RECOMMENDED USES

- Waterproofing of masonry walls, foundations and basements
- Waterproofing roof lap slabs, balconies, courtyard
- Waterproofing under to terrazzo paving and quarry tiles
- Waterproofing bathrooms, laundries and wet areas prior to tiling
- Waterproofing planter boxes

### APPLICATION PROCEDURE

- Bosco seal PU can be applied by brush, roller, towel or squeeze.
- Seal all cracks or joints up to 2mm in width with Bostik Seal N' Flex 1 and Seal before application of the membrane.
- Bosco seal PU can be applied immediately over Seal N' Flex 1 after initial set of approximately 6 hours at 25°C.
- Bosco seal PU should be applied to achieve a dry film thickness of 1.5mm minimum for optimum performance. To achieve this dry film thickness apply Bosco seal PU at 1.1m<sup>2</sup>/litre/coat.
- Extremely porous surfaces should be filled prior to coating and a second coat of Bosco seal PU should be applied or use Boscoprime 1.
- Apply Bosco seal PU evenly to avoid thin spots, air entrapment or pin holes. Any defects can be repaired by over coating with Bosco seal PU.
- For applications where two coats of Bosco seal PU are



required allow 24 hours between coats.

- Protection boards must be used to protect the membrane before back filling or concreting.
- If Bosco seal PU is damaged, it can be repaired by cleaning the surface and recoating with Bosco seal PU.

### Preparation

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

### Priming

Bosco seal PU does require priming on clean and dry substrates.

### Mixing

Bosco seal PU does not require any mixing, simply use directly from container.

### Precautions

Membrane should not be installed on wet, contaminated, or friable substrate.

- Rate of membrane cure will be inhibited when air or substrate temperatures are below 75 °C.
- Should not be applied greater than 1.5mm in depth 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 should be carried out as soon as possible after curing or following trade protection may be required.
- Bostik Boscoseal PU membrane should never be used as an exposed finish or as top coating exterior membrane.
- Any intended application of Bostik Boscoseal PU membrane outside of recommended installation should be referred to Bostik R&D Technical Department for approval.
- Should not be applied over any form of lightweight concrete.

### Product

One component bitumen modified polyurethane liquid membrane for waterproofing.

### Paintability

Boscoseal PU is not paintable.

### P.A.T.S (Pretested Adhesion To Substrate) Programme

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik adhesives with samples of building materials to which the adhesive 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.

### Health and Safety

On contact, uncured membrane causes irritation. Gloves and protective goggles must be worn during application and use.

- Avoid contact with skin, eyes and avoid breathing in vapour.
- Wear protective gloves when mixing or using
- 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.

### Clean - Up

Bostik Boscoseal PU membrane can be cleared with Bostik 9907 or Mineral Turpentine before fully cured. Wear eye protection and use in well-ventilated area. Do not use solvents on skin. Accidentally applied Boscoseal PU on skin can be removed with Bostik Handi-clean towels.

### Storage

Store between 5°C and 30°C. When stored at or below 30°C. Bostik Boscoseal PU has a shelf life of 12 months from date of manufacture. All materials shall be stored under cover in a manner that will prevent damage preferably on pallets and protected from excessive heat and moisture.

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### PERFORMANCE PROPERTIES

Colour	Black
Appearance	Smooth black paste, brushable, rollable
Shore "A" Hardness	30
Elongation at break	~ 700%
Peel Strength	3-6kg/cm2
Moisture Vapour Transmission	1.412 g/hr/ft2
Cure Time	24 hr
Flammability	Non-flammable

\*Average laboratory values provided as a general guide

\*\*Actual field performance will depend on installation and site conditions

Typical properties after 7 days cured at 25C and 50% RH

Conforms to ASTM C836.76, ASTM D412, ASTM D2280  
ASTME-96

### Fire



Boscoseal PU is non-flammable.

BOSTIK BOSCOSEAL PU  
HANDI-CLEAN TOWELS

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.

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### 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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