



# Boscoseal PU

## LIQUID PU MODIFIED BITUMEN WATERPROOFING MEMBRANE WITH HIGH THIXOTROPY

### TECHNICAL DATA SHEET

#### BENEFITS

- Coal tar free
- One Part Polyurethane modified Bitumen, ready to use
- Thixotropic, for vertical applications
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Non re-emulsifying

#### PRODUCT DESCRIPTION

**Bostik Boscoseal PU** is one-component ready to use coal tar free, bitumen modified, moisture curing polyurethane membrane with high thixotropy. After curing it provides a tough highly elastomeric, impervious barrier to moisture. Suitable for application by brush, roller or trowel.

#### APPLICATIONS

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

#### CONSUMPTION

Approximately 1.5-2 kg/m<sup>2</sup> in one or two coats depending on the absorbency and smoothness of the surface. The coverage amounts are theoretical, and it is recommended to do coverage-controlled sample application, before treatment.

#### DIRECTIONS OF USE

- The product can be applied by brush, roller or trowel.
- Seal all cracks or joints up to 2mm in width with Bostik PU sealant, before application of the main coat. Interval between PU sealant and main coat min 6 hours at 25°C.
- For optimum performance, the thickness of the dry film must be minimum 1.5mm. To achieve this, apply the product at 1.1m<sup>2</sup>/liter/coat.
- Extremely porous surfaces should be primed prior to coating.
- Apply the product evenly to avoid thin spots, air entrapment or pin holes. Any defects can be repaired by over coating.
- For applications where two coats are required, allow 24 hours between coats.
- Protection boards must be used to protect the membrane before back filling or concreting.
- If the membrane is damaged, it can be



repaired by cleaning the surface and recoating.

#### TECHNICAL DATA

Colour	Black
Appearance	Thixotropic black paste, brushable, rollable
Shore "A" Hardness	30
Elongation at break	~ 500%
Peel Strength	3-6kg/cm <sup>2</sup>
Moisture Vapour Transmission	1.412 g/hr/ft <sup>2</sup>
Curing time (h)	24
Specific weight (gr/cm <sup>3</sup> )	1.20 – 1.30
Flash point	>50°C

#### SURFACE 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 Bostik Boscoseal PU.
- Substrate moisture should be at most 5%.
- Minimum substrate temperature +5°C.
- Maximum substrate temperature +35°C.
- Maximum air humidity 85% r.h.
- Observe dew point temperature.
- For best result, maximum thickness of the membrane is 0.7 mm dry film thickness per layer.
- Newly applied surfaces should be protected

from water minimum of 6 hours.

- Bostik Boscoseal PU does require priming on clean, sound and dry substrates.
- Bostik Boscoseal PU does not require any mixing, simply use directly from bucket after stirring the product using a drill with low speed.
- Membrane should not be installed on wet, contaminated, or friable substrate.
- Should not be applied more than 1.5mm in thickness per application as the likelihood of foaming may occur.
- The product 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.

## CLEANING

**Bostik Boscoseal PU** membrane can be removed by tools and equipment with Bostik solvent before fully cured. Wear eye protection and use in well-ventilated area. Do not use solvents on skin. Accidentally applied **Bostik Boscoseal PU** on skin can be removed with Bostik Handi-clean towels.

## COLORS

Black

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## PACKAGING

20kg, 5kg and 1kg

## SHELF LIFE

Store between 5°C and 25°C. When stored at or below 25°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.

## 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 vapor.
- 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.

Please read carefully Material Safety Data Sheet (MSDS) before use.

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

Bostik offers 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.

## Distribution

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