

technical data sheet



BOSCOSEAL PU

Liquid Polyurethane Waterproofing Membrane

PRODUCT

One component bitumen modified polyurethane liquid membrane for waterproofing.

DESCRIPTION

Boscoseal PU is a one-part 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 towel.

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

FEATURES & BENEFITS

- Coal tar free
- One Part Polyurethane (no Mixing)
- Early access for following trades
- Brush, roller or trowel applied
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Non re-emulsifying

PERFORMANCE PROPERTIES

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

Colour	Black
Appearance	Smooth black paste, brushable, rollable
Shore "A" Hardness	30
Elongation	700%
Peel Strength	3-6kg/cm ²
Moisture Vapour transmission	1.412 g/hr/ft ²
Cure Time	24 hr
Flammability	Non-flammable

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

PACKAGING

BOSCOSEAL PU is available in 18.9 litre

COVERAGE:

1.1m² per litre at 0.9mm wet film thickness or 1.1m² per litre at 0.75mm dry film thickness. Application of two coats at this coverage rate will provide the required 1.5mm dry film thickness.

APPLICATION INSTRUCTIONS

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 Boscoseal PU. New concrete must have cured for 28 days.

APPLICATION

- Boscoseal PU can be applied by brush, roller, towel or squeeze.
- Seal all cracks or joints of 2mm in width with Bostik Ultraseal Fillet and Seal before application of the membrane.
- Boscoseal PU can be applied immediately over Ultraseal Fillet and Seal after initial set of approximately 45 minutes at 25°C.
- Boscoseal PU should be applied to achieve a dry film thickness of 1.5mm minimum for optimum performance. To achieve this dry film thickness apply Boscoseal PU at 1.1m²/litre/coat.
- Extremely porous surfaces should be filled prior to coating and a second coat of Boscoseal PU should be applied.
- Apply Boscoseal PU evenly to avoid thin spots, air entrapment or pin holes. Any defects can be repaired by over coating with Boscoseal PU.
- For applications where two coats of Boscoseal PU are required allow 24 hours between coats.
- Protection boards must be used to protect the membrane before back filling or concreting.
- If Boscoseal PU is damaged, it can be repaired by cleaning the surface and recoating with Boscoseal PU.

PRIMING

Boscoseal PU does not require priming on clean and dry substrates.

MIXING

Boscoseal 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 5° 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 Technical Services for approval.
- Should not be applied over any form of lightweight concrete.

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 6 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.

FIRE

Boscoseal PU is non-flammable.

BOSTIK BOSCOSEAL PU

ITEM NO.	STOCK SIZE
244295	18.9litre pail black

HANDI-CLEAN TOWELS

ITEM NO.	STOCK SIZE
257753	72 Towels per pack/6 packs per carton

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. Under no circumstances will Bostik Findley Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.

ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK FINDLEY AUSTRALIA PTY LTD

FOR FURTHER INFORMATION



BOSTIK FINDLEY AUSTRALIA PTY LTD
Phone: +61-3-9279 9333
Fax: +61-3-9279 9240

BOSTIK FINDLEY NZ LIMITED
Phone: +64-4-567 5119
Fax: +64-4-567-5412

BOSTIK FINDLEY SINGAPORE PTE LTD
Phone: +65-863 4088
Fax: +65-863 4077

BOSTIK FINDLEY (MALAYSIA) SDN BHD
Phone: +606 764 3246
Fax: +606 764 3248

SYDNEY
Phone: 02 8825 3488
Fax: 02 8825 3411

ADELAIDE
Phone: 08 8244 0511
Fax: 08 8244 0522

PERTH
Phone: 08 9331 7666
Fax: 08 9331 7677

BRISBANE
Phone: 07 3265 2377
Fax: 07 3265 5421

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