



Boscoseal PU

LIQUID POLYURETHANE WATERPROOFING MEMBRANE

TECHNICAL SHEET 13/10/2022

SMART ADVANTAGES

- 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

DESCRIPTION

Boscoseal 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.

FUNCTIONAL CHARACTERISTICS

- 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

TECHNICAL CHARACTERISTICS

Colour	Black
Appearance	Smooth black paste, brushable, rollable
Shore "A" Hardness	30
Elongation at break	~700%
Peel Strength	3-6 kg/cm ²
Moisture Vapour Transmission	1.412 g/hr/ft ²
Cure Time	24 hours
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, ASTM E-96



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

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.

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 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.

APPLICATION

- Boscoseal 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.
- Boscoseal PU can be applied immediately over Seal N' Flex 1 after initial set of approximately 6 hours 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.
- 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.

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.

Fire



Boscoseal PU is non-flammable.

BOSTIK BOSCOSEAL PU
HANDI-CLEAN TOWELS

CLEANING

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.



The application recommendations are defined by standards of use. They are imperative to respect them, but they don't need a previous try, especially for a first use or particular inconvenient of support, site or environment. Consult our safety data sheets for precautions to use.

DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

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