



Boscoseal PU-SL

LIQUID POLYURATHANE MODIFIED BITUMEN WATERPROOFING MEMBRANE

TECHNICAL DATA SHEET

BENEFITS

- Coal tar free
- Ready to use, one component Polyurethane modified Bitumen
- Easy application by brush, roller or trowel
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Non-re-emulsifying

PRODUCT DESCRIPTION

Bostik Boscoseal PU-SL is one-component 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. Boscoseal PU-SL is self-leveling and allow easy application in both horizontal and vertical surfaces.

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 roofs for inverted insulation systems.

CONSUMPTION

Approximately 1.5-2 kg/m² 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

- Substrate moisture should be at most 5%.
- Concrete slab must be minimum of 4 weeks old.
- Minimum substrate temperature +5°C.
- Maximum substrate temperature +35°C.
- Maximum air humidity 85% r.h.



- Observe dew point temperature.
- Bostik Boscoseal PU-SL can be applied by brush, roller, trowel or airless system.
- Seal all cracks or joints up to 2mm in width with appropriate Bostik sealant, before application of the main coat. Interval between PU sealant and main coat min 6 hours at 25°C.
- The product must be applied to achieve a dry film thickness of 1.5mm minimum for optimum performance. To achieve this dry film thickness, apply 1 liter per 1.1m² per coat.
- Apply the product evenly to avoid thin spots, air entrapment or pin holes.
- Newly applied surfaces should be protected from water minimum for 6 hours.
- 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

Color	Black
Appearance	Smooth black paste, brushable, rollable
Shore "A" Hardness	35
Elongation at break	~ 700%
Peel Strength	3-6kg/cm ²
Moisture Vapor Transmission	1.412 g/hr/ft ²
Curing time (h)	24
Flash point	>50°C

*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

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.
- The product does require priming on clean, sound and dry substrates.
- Bostik Boscoseal PU-SL does not require any mixing, simply use directly from bucket after stirring the product using a drill with low speed.
- The product should not be applied on wet, contaminated, or friable substrate.
- Should not be applied more than 1.5mm thickness per coat 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.
- 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-SL 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-SL can be removed from 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-SL on skin can be removed with Bostik Hand-clean towels.

COLORS

black

PACKAGING

25kg, 5kg and 1kg

SHELF LIFE

Store between 5°C and 25°C. When stored at or below 25°C, Bostik Boscoseal PU - SL 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 vapors.
- 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 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.

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