



# Boscoseal PU-Transparent

## LIQUID POLYURATHANE TRANSPARENT WATERPROOFING MEMBRANE

### TECHNICAL DATA SHEET

#### BENEFITS

- One Part Transparent Polyurethane, ready to use
- Extra Clear
- Brush, roller or trowel applied
- Fully Aliphatic and UV resistant
- Exhibits tenacious adhesion to masonry, concrete and several type of tiles with special primers

#### PRODUCT DESCRIPTION

**Boscoseal PU Transparent** is a one-part ready to use moisture curing transparent polyurethane membrane. After curing it provides a tough highly elastomeric and hydrophobic membrane. Suitable for application by brush, roller or trowel. Boscoseal-PU-Transparent is self-leveling and allow easy application in both horizontal and vertical surfaces.

#### APPLICATIONS

- Waterproofing over existing tiles, marble, granite, etc.
- Waterproofing of balconies, terraces, verandas.
- Waterproofing and protection of wooden surfaces.

#### CONSUMPTION

0.7-1Lt/m<sup>2</sup> depending on substrate and application type. Maximum 0.5Lt per coat

#### DIRECTIONS OF USE

- Boscoseal PU-Transparent can be applied by brush, roller, trowel, or airless spray.
- Boscoseal PU-Transparent should be applied on strong, sound and well adhered tiles.
- For applications where two coats of Boscoseal PU-Transparent are required allow 24 hours between coats. Curing may take even longer (up to 48 hours) under low temperature and humidity condition.
- Maximum air humidity 85% r.h.
- Observe dew point temperature.
- For best result, maximum thickness of Boscoseal PU-Transparent is 0.4 mm dry film thickness per layer.
- Newly applied surfaces should be protected from water minimum of 12 hours



#### TECHNICAL DATA

Color	Transparent
Appearance	Transparent liquid
Shore "D" Hardness	40
Elongation at break	~ 300%
Peel Strength	3-6kg/cm <sup>2</sup>
Moisture Vapor Transmission	0.8 g/hr/m <sup>2</sup>
Curing time (h)	12-48
Specific weight (gr/cm <sup>3</sup> )	0.80 – 0.90
Flash point	>40°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

## LIMITATION

Only for outdoor use

## 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 Boscoseal PU-Transparent. Tiles surface should be also well cleaned from any salts and other water residuals.

- Substrate moisture should be at most 5%.
- Minimum substrate temperature +5°C.
- Maximum substrate temperature +35°C.

## Priming

For non-porous tiles use Boscoseal Primer Transparent Primer. For porous tiles and surfaces (marble, wood, etc) use Boscoseal Primer Aliphatic.

## Mixing

Bostik Boscoseal PU Transparent does not require any mixing, simply use directly from bucket after stirring the product using a drill with low speed.

## Precautions

The product should not be applied on wet, contaminated, or friable substrate.

- Should not be applied greater than 0.4mm in depth in one application as the likelihood of bubbling may occur.
- Requires atmospheric moisture to fully cure. It should not be used on totally confined or air free spaces.
- Any intended application of Bostik Boscoseal PU-transparent membrane outside of recommended installation should be referred to Bostik R&D Technical Department for approval.

## CLEANING

Bostik Boscoseal PU-Transparent 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 Boscoseal PU-Transparent on skin can be removed with Bostik Handy-clean towels.

## COLORS

Transparent

## PACKAGING

20Lt, 10Lt, 4lt and 1lt

## SHELF LIFE

Store between 5°C and 25°C. When stored at or below 25°C, Bostik Boscoseal PU-Transparent 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 MSDS (Material Safety Data Sheet) before application.

## 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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