



# Block P550 Boscoseal PUW

## WATER-BASED MODIFIED BITUMEN-POLYURETHANE WATERPROOFING MEMBRANE

TECHNICAL SHEET FEB 2025 – V1

### SMART ADVANTAGES

- Water-based
- One component, no mixing, non re-emulsifying
- Early access for following trades
- Brush, roller or trowel applied
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Can be applied on damp surfaces
- Sulphates and chlorides resistant

### DESCRIPTION

**Block P550 Boscoseal PUW** is one component water-based modified Bitumen-Polyurethane liquid applied waterproofing membrane. After curing, it provides a tough, highly elastomeric, impervious barrier to moisture. Suitable for application by brush, roller or trowel.

### FUNCTIONAL CHARACTERISTICS

**Block P550 Boscoseal PUW** is recommended to use for

- Masonry walls, foundations and basements
- Roof lap slabs, balconies and courtyard
- Beneath terrazzo, paving and quarry tiles
- Bathrooms, laundries and wet areas prior to mortar bed screed
- Planter boxes
- Can be applied to timber and metals\*



### TECHNICAL CHARACTERISTICS

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

Properties	Value
<b>Form</b>	Smooth paste
<b>Wet colour</b>	dark grey/brown
<b>Dry colour</b>	black
<b>Solids content</b>	+ 70%
<b>Specific gravity</b>	1.09 – 1.10
<b>Tensile strength (ASTM D412)</b>	1.0 N/mm <sup>2</sup>
<b>Elongation (ASTM D412)</b>	> 900%
<b>Shore A hardness</b>	25
<b>Puncture resistant</b>	1.5 KgF
<b>Water vapour transmission rate</b>	0.15 g/h•m <sup>2</sup> (3.6 g/24h•m <sup>2</sup> )
<b>Water Vapour Permeance</b>	7.3 x 10 <sup>-9</sup> g/Pa•s•m <sup>2</sup> (0.13 Perm)
<b>Water Vapour Permeability</b>	1.11 x 10 <sup>-11</sup> g/Pa•s•m (0.008 Perm inch)
<b>Flammability</b>	Non-flammable

### COVERAGE

For damp proofing/vapour barrier apply two coats: 0.5-0.75 kg/m<sup>2</sup> per coat.

For waterproofing membrane barrier apply three coats: 0.5-0.75 kg/m<sup>2</sup> per coat.

*Note: For the whole system required, layer or number of coating is only for reference, and subject to substrate condition. therefore to achieve accuracy and reliable results, it should follow the consumption usage as per recommendation.*

### INSTALLATION

#### SUBSTRATE PREPARATION

- All surfaces must be clean, dry, free of voids, curing compounds, loose materials, oil, grease, sealers and determined to be structurally sound before application of **Block P550 Boscoseal PUW**. New concrete must have cured for 28 days.

- Cracks and other defects must be treated. Seal all the cracks as mentioned below:
  - a) Static Crack: Repair by cutting 'V' notch along the crack and repair using stitching method with **Bostik Patchfix Fine Render** or **Bostik Patchfix Structural HB**.
  - b) Dynamic Crack: Repair by cutting 'V' notch along the crack and repair by infilling with **Bostik Seal N Flex 1**.

## APPLICATION

### Priming

**Block P550 Boscoseal PUW** does not require priming on clean and dry substrates but necessary for areas of infiltration. Dilute one part of **Block P550 Boscoseal PUW** with two parts of clean water as primer. Allow primer to cure for approximate 30 minutes.

Extremely porous substrate might require extra preparation or priming.

### Mixing

**Block P550 Boscoseal PUW** does not require any mixing. Stir product to an even smooth consistency before use.

### Applying

- **Block P550 Boscoseal PUW** can be applied by brush, roller, trowel or squeegee. Apply 0.5kg per m<sup>2</sup> for 3 layers. Allow the first layer to dry completely for approx. 4 hours (may vary due to site condition). Ensure that the coat is touch dry.
- Extremely porous surfaces should be filled prior to application. Apply **Block P550 Boscoseal PUW** evenly to avoid thin spots, air entrapment or pin holes. Any defects can be repaired by over coating with **Block P550 Boscoseal PUW**.
- Protection boards must be used to protect the membrane before back filling or concreting. If **Block P550 Boscoseal PUW** is damaged, repair by cleaning the surface and recoat with another layer of **Block P550 Boscoseal PUW**.

### Curing

Allow **Block P550 Boscoseal PUW** to cure with the atmospheric moisture for a minimum of 24 hours at 25°C. To eliminate possible surface contamination, mortar bed screed should be laid as soon as possible after curing or following trade protection may be required.

## LIMITATIONS

- **Block P550 Boscoseal PUW** should not be applied 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 3kg per m<sup>2</sup> 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.
- **Bostik Block P550 Boscoseal PUW** membrane should never be used as an exposed finish or as top coating exterior membrane.
- Not suitable to apply on any form of lightweight concrete.
- Any intention use of **Block P550 Boscoseal PUW** out of recommended uses, should refer to Bostik technical services for approval.
- \*Suitable for most metals but if in doubt, test before application.

## Important Notes

It is recommended that this product is fully evaluated as suitable for the application methods to be employed and for suitability of performance both initially and for the expected life of your product under the condition it is expected to withstand.

## CLEANING

All brushes, rollers, trays, buckets and surrounding shall be clean with water before the product sets.

## STORAGE

Store material between 5°C and 30°C in cover and dry place out of direct sun light. **The Block P550 Boscoseal PUW** has a shelf life of 12 months from date of manufacturing if stored properly in original, sealed and unopened container.

## PACKAGING

Size	Product Codes
20 Kg plastic pail	30629643

## HEALTH AND SAFETY

Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites. Visit [www.bostik.co.nz](http://www.bostik.co.nz) for copies.

**For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.**

## DISCLAIMER

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