



BOTICA PU

Liquid applied polyurethane waterproofing coating

PRODUCT DESCRIPTION

BOTICA PU is a coal tar free liquid applied polyurethane elastomeric waterproofing membrane that dries to form a tough resilient film.

RECOMMENDED USES

Waterproofing of membrane to above and below grade construction :

- Bathroom, toilets and kitchen and services yards
- Tanking to basement foundation and retaining walls
- External decks, landscape area
- Indoor floor damp-proofing
- Fountains and planter boxes
- Parking decks and concrete roof

FEATURES AND BENEFITS

- Single component
- Fully bonded to substrate, water cannot flow underneath to the membrane
- Free of coal tar
- Permanent elastic and flexible

APPLICATION

Substrate Preparation

The substrate must be clean, sound, dry and free from oil, grease, curing compound or any loose materials. It must be mechanically abraded back to a sound concrete. Cracks or honeycombs shall be repaired using suitable cement mortar.

Cracks

All cracks over 1.6mm in width must be filled with or covered with Seal N Flex 1 polyurethane sealant, which is compatible with BOTICA PU. All shrinkage and non-moving structural cracks under 2mm shall be pretreated with BOTICA PU membrane extending at least 100mm on each side of the crack.

BOTICA PU can be applied by brush, roller or squeegee. Apply uniform in a continuous film to avoid thin spots. Care must be taken to ensure that pinholes and potholes are separated and treated.

When two coats application are required, allow at least 4-6 hours for the previous coat to dry.

If water test is required, membrane should cure for a minimum of 24 hours.

If BOTICA PU is damaged, it can be repaired by cleaning the surface and re-coat with BOTICA PU.

COVERAGE

Estimated coverage at 1 litre per m² at 1.2mm thickness.

CLEANING

All tools, equipment and surrounding areas should be cleaned with solvent whilst it is still tacky. Hardened material cannot be removed.

PACKAGING

BOTICA PU is supplied in 20L pail.

STORAGE AND SHELF LIFE

BOTICA PU has a shelf life of at least 1 year, if unopened and stored in a cool dry place.

PRECAUTION

- Surface must be dry, clean and free of foreign matter.
- Should be used as a base membrane only.
- Not UV stable.
- Cannot withstand direct wear or abrasion.
- Container that has been opened must be used as soon as possible.
- Do not dilute under any circumstances.

HEALTH AND SAFETY

Apply product in well-ventilated area. Avoid skin and eye contact. Suitable protective clothing, masks, gloves should be worn.

BOTICA PU**Liquid applied polyurethane waterproofing coating****TECHNICAL DATA**

BOTICA PU meets the requirement of ASTM C836

Property	Test Method	Performance
Viscosity (poise)	Brookfield Viscometer	4500 ± 1000cps
Percentage Solids: Weight	ASTM D 2369	82 ± 3%
Volume		74 ± 3%
Hardness (shore A)	ASTM D 2280	50
Tensile Strength	ASTM D 412	> 5 N/mm ²
Elongation	ASTM D 412	600 ± 50%
Water Vapour Transmission	ASTM E96	18g/m ² /day
Water Penetration	DIN 1048 Part 5	0, no water penetration
Adhesion to Concrete	ASTM D 903	> 0.5 N/mm ²
Resistance to Decay	ASTM D 154	No Surface defects
Flash Point		49°C

Disclaimer. All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Botica (Cambodia)'s acknowledgement.