

# Poly-Seal Bitu PB 531

Building Chemicals > Waterproofing Products > Structural Waterproofing Products



Single-component, liquid-applied, highly impermeable, elastic, cold-applied, bitumen-polyurethane-based, seamless waterproofing material that cures with moisture in the air.

## ■ Areas of Use

- Foundations and retaining walls
- Covered terrace roofs and balconies
- Green roofs and plant beds
- Bridge platforms

## ■ Advantages

- Ready to use, can be easily applied with a brush, roller, or spray gun.
- Does not shine or catch fire as it is solvent-free.
- Being water-based, the product can be thinned with water and used as a primer.
- Bridges shrinkage cracks.
- Resistant to plant roots due to its bituminous content.
- Maintains elasticity at low temperatures.

## 1 Surface Preparation

The surface must be clean, dry, and solid, free from any contaminants that could adversely affect adhesion. The moisture content of the concrete to be treated should not exceed 5%. New concrete should be allowed to cure for 28 days. Loose and unstable particles must be removed from the surface with a brush and/or vacuum cleaner before applying the product. The surface should not be washed with water; if washed, the moisture content must be allowed to drop below 5%. Before applying Polyseal PB 531, the concrete surface should be ground with special diamond grinding machines to remove the laitance layer and then vacuumed to remove dust. The product should be applied to a cleaned, repaired, and primed concrete surface. In wet areas, the floor must be fully treated and sanded with Merks epoxy or polyurethane primer series.

## 2 Application

Polyseal PB 531 can be applied to the surface using a brush, roller, trowel, or suitable airless spray equipment. Two coats are required, with a 12-hour drying period between coats. A third coat may be applied if desired. Final curing is achieved in 7 days.

## 3 Consumption Rate

1500-2000 g/m<sup>2</sup> in 2 coats

## 4 Points to Consider

- Do not apply Polyseal BB 531 at temperatures below +5°C or above +35°C.
- Hands and eyes must be protected with gloves and safety goggles. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Adequate ventilation is required during application. Ensure that ventilation is sufficient in enclosed spaces.

## 5 Packaging

25 kg metal can

## 6 Storage Life

At least 12 months in sealed packaging and protected from freezing.

## 7 Priming

Concrete surfaces should be primed with Epoprime EB 710, EB 712, or PU Primer PB720, PB 724 before application. Depending on the air temperature, the primer should be allowed to cure for a minimum of 4 hours and up to 12 hours.



## POLY-SEAL BİTU PB 531

Color	Brownish, Black
Density	~1,35 kg/l (20°C)
Hardness	35 Shore A
Viscosity	2500-3500 cP (25°C)
Adhesion to Concrete	~1,5 N/mm <sup>2</sup>
Elongation Percentage	% 600-800
Intercoat Waiting Time	8 - 10 hours
Re-coating Time	10 - 24 hours
Full Curing	7 days
Shelf Life	12 months in unopened packaging, protected from frost
Packaging	25 kg metal can