

Poly-Seal Bitu PB 530

Building Chemicals > Waterproofing Products > Polyurethane-Based



It is a two-component, liquid-applied, highly impermeable, elastic, cold-applied, bitumen-polyurethane-based waterproofing material that cures with ambient moisture to form a seamless barrier.

■ Fields of Application

- Foundations and retaining walls
- Covered terrace roofs, parking decks, and balconies
- Green roofs and planter beds
- Bridge decks

■ Advantages

- Extremely easy to apply and repair
- Capable of bridging hairline cracks
- Forms a seamless and jointless coating
- Resistant to wear, tear, and weather conditions
- Remains permanently elastic, preventing future cracking on applied surfaces

1 Preparation of Substrate

The surface must be clean, dry, solid, and free from any contaminants that could negatively affect adhesion. Ensure that the moisture content of the concrete surface to be treated does not exceed 5%. It is essential to wait for a 28-day curing period for new concrete. Loose and unstable particles should be removed from the surface using a brush and/or vacuum cleaner before applying the product. The surface should not be washed with water; if it is washed, wait until the moisture content drops below 5%. Before applying Polyseal PB 530, the concrete surface should be polished with diamond-tipped grinding machines to remove the laitance layer, and the dust should be vacuumed. The product should be applied after the concrete surface has been ground, cleaned, and any cracks or repairs have been addressed, followed by proper priming. In wet areas, the floor must be fully treated with Merks epoxy or polyurethane primer series and sanded.

2 Application

Polyseal pB 530 can be applied to the surface with a brush, roller or trowel. The application should be done in 2 coats. Wait 12 hours between coats. Final curing takes place in 7 days.

3 Consumption Rate

Apply 1500 -2000 g/m² over two coats.

4 Points to Consider

- Do not apply Polyseal BB 530 at temperatures below +5°C or above +35°C.
- Protect hands and eyes with gloves and safety goggles. In case of eye contact, rinse eyes thoroughly with water and seek medical attention immediately.
- Adequate ventilation is required during application. In enclosed spaces, ensure that ventilation is sufficient.

5 Packaging

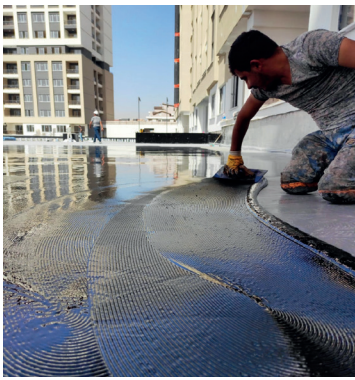
20+20 kg Set in metal cans.

6 Storage Life

In closed packaging and protected from frost, the shelf life is at least 12 months.

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.



TECHNICAL DATAS

Color	Component A: Transparent Component B: Black
Density	~0.95 kg/l (20°C)
Hardness	35 Shore A
Viscosity (Mixed)	3500-4000 cP (25°C)
Mix Ratio (A+B)	1:1 by weight
Solid Content	%85
Mix Pot Life	At 10°C: 40-50 minutes At 25°C: 30-35 minutes
Adhesion to Concrete	~1,5 N/mm ²
Elongation Percentage	>1800 %
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	40 kg set (20 kg metal can, 20 kg metal can)