

Polyseal PB 520 UV

Construction Chemicals > Waterproofing Products > Polyurethane-Based



It is a single-component, UV-resistant, liquid-applied, highly impermeable, air-curing, elastic, cold-applied polyurethane-based waterproofing material. It is a seamless, flexible waterproofing material with crack-bridging properties in cold weather, suitable for light pedestrian traffic.

■ Fields of Application

- On balconies and terraces
- On roofs and rain gutters
- In old metal surface roof insulations
- In irrigation channels.

■ Advantages

- It is extremely easy to apply and repair.
- It has the ability to bridge capillary cracks.
- It is seamless and resistant to wear and weather conditions.
- It can be in continuous contact with water.
- Being permanently elastic, it prevents cracking on the applied surfaces.
- It is walkable for pedestrian traffic.

1 Preparation of Substrate

The surface must be clean, dry, solid, and free of any contaminants that could adversely affect adhesion. Ensure that the moisture content of the concrete to be applied does not exceed 5%. It is essential to wait for the 28-day curing period for new concrete. Loose and movable particles should 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 reduced to below 5%. Before applying Polyseal Pb 520, the concrete surface should be ground with special diamond-tipped machines to remove the slurry layer and then vacuumed to remove dust. The product should be applied after the concrete surface has been ground, cleaned, and any cracks or other repairs have been completed, followed by priming.

2 Application

Polyseal PB 520 can be applied to the surface using a brush, roller, or suitable airless spray machines. Application requires two coats, with a 12-hour waiting period between coats. Optionally, a third coat can be applied. Final curing is achieved in 7 days.

3 Consumption Rate

2 coats require 1500-2000g/m².

4 Points to Consider

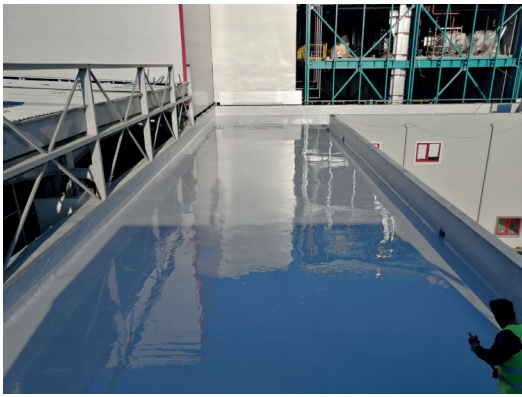
- Do not apply Polyseal PB 520 at temperatures below +5°C or above +35°C.
- Hands and eyes should be protected with gloves and safety goggles. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Adequate ventilation is required during application. Ensure that ventilation is sufficient in enclosed spaces.

5 Packaging

25 kg metal bucket.

6 Storage Life

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



TECHNICAL DATAS

Color	White/Gray
Density	1,37-1,42 g/cm3
Hardness	65 Shore A
Viscosity	2500-3500 cP (25°C)
Water Vapor Permeability	0.8 g/m ² per hour
Adhesion to Concrete	>2,5 (N/mm2)
Tensile Strength	>5 (N/mm2) (+23oC)
Elongation Percentage	≥ %500
Drying Time	6-8 hours
Recoating Time	12-24 hours
Chemical Curing	7 days
Shelf Life	12 months in unopened packaging, protected from frost
Packaging	25 kg metal bucket