



## BAUTEK PU 300B

### WATER-BASED POLYURETHANE WATERPROOF COATING FOR NON-EXPOSED SURFACES

#### Product Description:

*Bautek PU 300B is a one-component, water-based polyurethane waterproofing coating for non-exposed applications on construction surfaces before plastering, tiling, laying of cementitious screeds, mortars.*

#### Fields of Application:

- Under tiles in wet rooms (bathrooms, kitchens, etc.), terraces and roofs
- Roofs, prior to plastering, tiling, laying of cementitious screeds, mortars

#### Product Features:

- Excellent adhesion to solid, firm surfaces
- Easy to mix and apply by brushing, rolling, or spraying
- Withstands temperatures from -15°C to +80°C
- High mechanical properties, suitable for waterproofing walkable roofs
- Environmentally friendly (water-based)

#### Instructions for use:

Substrate preparation: The surface must be stable, clean, dry, protected from rising moisture and free of dust, oil, grease and loose materials. The environment temperature must not be lower than 5°C and not higher than 35°C, substrate moisture content <5%.

## Product Description:

**Priming:** Prior to the application of Bautek PU 300B, primer should be applied, the consumption may depend on the substrates. A thin Bautek PU 300B coating itself with a consumption of 0.2kg/m<sup>2</sup> can also be used as a primer (not recommended for weak substrates).

**Application:** After thorough stirring, Bautek PU 300B is applied in at least two layers by roller, brush or airless spray with consumption 0,6 – 0,75kg/m<sup>2</sup>/layer. Every layer of material should be applied in a vertical or different direction than the previous one. For the upstands-floor intersections (as well as in all other corners), in construction details (such as around and inside roof drains), along the joints, as well as when covering cracks, it is advisable that Bautek PU300B is reinforced "wet-on-wet" with the non-woven fabric positioned in between two layers.

**Consumption:** 0.6-0.75 kg/m<sup>2</sup>/layer (minimum 2 layers required)

**Packing:** 18kg/pails

**Cleaning of tools:** by water immediately after application

**Product Storage:** 12 months , stored in original sealed packing, protected from frost, humidity and exposure to sunlight.

## Specifications:

Verification Section	Technical specifications	Test method
Appearance	The product is a smooth, viscous solution that does not solidify or form clumps.	
Solid Content %	≥ 65%	
Surface Drying Time	≤ 4h	
Curing Time	≤ 8h	
Crack bridging ability	3.0 mm	BS EN 14891:2017
Elongation at Break (%)	≥ 500%	ASTM D412-16a (2021)
Low – temperature Flexibility	-10°C, no cracks.	
Water Impermeability	0.3MPa, 0.5h, impermeable	
Tensile strength (N/mm <sup>2</sup> )	≥ 0.8 N/mm <sup>2</sup>	ASTM D412-16a (2021)
Adhesion Strength (N/mm <sup>2</sup> )	≥ 1.0 N/mm <sup>2</sup>	ASTM D7234-22
Accelerated Weathering	1000 hours, UVA-340, no cracks, no blisters, no delamination or surface degradation.	