



BAUTEK PU 300

WATER-BASED POLYURETHANE WATERPROOF COATING

Product Description:

Bäutek PU 300 is a one-component, water-based polyurethane waterproofing coating for exposed roofs, offering superior mechanical strength and waterproofing capabilities. It forms a durable, elastic protective coating, preventing moisture ingress, blocking water, resisting UV rays, and excellent mechanical stress resistance.

Fields of Application:

- Exposed roofs made of concrete, cement tiles, cementitious screeds.
- Metallic surfaces
- On top of new or old polyurethane and acrylic waterproofing coatings

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

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 300, primer should be applied, the consumption may depend on the substrates. A thin Bautek PU 300 coating itself with a consumption of 0.2kg/m² can also be used as a primer (not recommended for weak substrates).

Application: After thorough stirring, Bautek PU 300 is applied in at least two layers by roller, brush or airless spray with consumption 0,6 – 0,75kg/m²/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 PU300 is reinforced "wet-on-wet" with the non-woven fabric positioned in between two layers.

Consumption: 0.6-0.75 kg/m²/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	2.0 mm	BS EN 14891:2017
Elongation at Break (%)	≥ 400%	ASTM D412-16a (2021)
Low – temperature Flexibility	-10°C, no cracks.	
Water Impermeability	0.3MPa, 0.5h, impermeable	
Tensile strength (N/mm ²)	≥ 1.8 N/mm ²	ASTM D412-16a (2021)
Adhesion Strength (N/mm ²)	≥ 1.0 N/mm ²	ASTM D7234-22
Accelerated Weathering	1000 hours, UVA-340, no cracks, no blisters, no delamination or surface degradation.	