

CLASS BPU-930

Bitumen-Polyurethane Single-Component
Waterproofing Material



BENZKIM



Product Overview

A single-component, solvent-based, elastic waterproofing solution formulated with bitumen and polyurethane.



Application Domains

- Suitable for both indoor and outdoor applications;
- Cementitious screeds, plasters, exposed concrete,
- Aged ceramic, metal, bitumen, and acrylic coatings. For all other application surfaces, please consult us.



Technical Specifications

Surface Drying	5-6 seconds
Hardness	40 (ASTM D 2240)
Adhesion to Concrete	1.0 N/mm ² (ASTM D 903)
Tensile Strength	4.5 N/mm ² (DIN 52455)
Endures Light Pedestrian Traffic	24-48 seconds
Elongation at Breakage	>%600 (DIN 52455)
Tensile Strength	15 N/mm ² (ASTM D 624)

The information presented in this technical data sheet is derived from experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.



Advantages

- Simple and rapid application.
- Continuous insulation without seams.
- Consistent application facilitates the straightforward resolution of intricate details.
- It maintains its mechanical properties even in severe climatic conditions.
- Frost resistance
- Resistance to detergents, oils, seawater, and domestic chemicals.



Surface Preparation

Surface preparation is essential for achieving optimal strength and aesthetic appeal. The surface must be clean, dry, smooth, sound, and devoid of contaminants that could compromise primer adhesion. The moisture content of the application surface should not exceed 5%. The compressive strength of the surface should be a minimum of 25 MPa, while the adhesion strength should reach at least 1.5 MPa. Fresh concrete must be allowed to cure for a minimum of 28 days. Existing coatings, dirt, and organic materials should be eliminated from the surface through sanding or shot-blasting. Additionally, substances such as oil and grease must be removed. Any surface imperfections should be rectified, and weak particles and dust generated from sanding should be cleared from the surface.



Mixture

CLASS BT-930 should be blended for a minimum of 2-3 minutes.



Application Details

CLASS BT-930 must be applied uniformly across the entire primed surface using either a brush or roller. When applying two coats, the thickness of each individual coat (dry film) should not surpass 0.6 mm.

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Consumption

1,4-2,0 kg/m²



PACKAGING

20 kg tin



Shelf life

In its unopened packaging, it can be stored for 12 months in a cool, dry location, shielded from sunlight, at temperatures ranging from +10°C to +25°C.



Attention

Avoid applications when the ambient temperature is below +5°C or above +30°C. Do not apply in direct sunlight, rain, or wind. Refrain from applying on surfaces that have been exposed to sunlight for extended periods, are frozen, or are at risk of freezing within 24 hours.

R10: Keep away from children.

R20/22: Harmful if inhaled or ingested.

R52/53: Toxic to aquatic life, may result in long-term detrimental effects in the aquatic ecosystem.

R65: Harmful. May result in lung damage if ingested.

S7: Store in a securely sealed container.

S24/25: Avoid contact with eyes and skin. S28: In the event of skin contact, rinse immediately with ample water.

S29: Do not release into the sewage system.

S46: If ingested, seek medical attention promptly and present the container or label.

LEGAL NOTICE

The information provided herein regarding BENZKİM CLASS products, particularly the recommendations concerning their application and end use, is presented in good faith based on BENZKİM CLASS's current knowledge and experience under standard conditions, provided that these products are stored and applied correctly in accordance with BENZKİM CLASS's guidelines. The variability of products, application surfaces, and application areas in practice is significant. Therefore, when utilizing BENZKİM CLASS products, it is imperative to apply the appropriate product under the correct conditions and in the designated location, while strictly adhering to the information and instructions provided by BENZKİM CLASS regarding commercial suitability and/or suitability for a specific purpose. Failure to do so may result in BENZKİM CLASS being absolved of any responsibility for potential damages. The product user is responsible for testing the product's suitability for the intended application and purpose. BENZKİM CLASS reserves the right to modify the properties of its products. The rights of third parties must be duly respected. All orders are accepted in accordance with our current terms and conditions pertaining to sales and shipping. Users are encouraged to consult the latest version of the local Product Information Sheet for the relevant product, which can be obtained by contacting BENZKİM CLASS.