



Product Overview

It is a two-component, hot-curing, solvent-free, plasticizer-free, 100% solid polyurea insulation material. It is applied utilizing high-pressure spraying techniques with application equipment specifically designed for two-component products.



Application Domains

- Roofs, terraces, and balconies
- Subterranean constructions, dual-faced curtain walls.
- Wastewater treatment facilities
- Water reservoirs, swimming pools
- As an industrial flooring solution.



Technical Specifications

Colour	Colourful
Vizikosite	A: 750 ± 100 mPas B: 500 ± 50 mPas
Intensity	A: 1,00 +/- 0,02 B: 1,10 +/- 0,02
Shore A	95 +/- 5
Elongation at Breakage	> 400 %
Tear Resistance	> 50 N/mm2
Tensile Strength	> 18 N/mm2
Gelation Duration	3-5 seconds
Non-stick duration	13-15 seconds
Process Temperature	A-B: 70-80 °C
Process Pressure	A-B: 150-200 bar

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

- It possesses significant mechanical and chemical resistance.
- It adheres exceptionally well to concrete, metal, and mineral surfaces.
- It possesses a highly adaptable structure.
- It dries rapidly and possesses a brief service life.
- It does not create air bubbles on adequately prepared and primed surfaces.



Surface Preparation

It is essential to ensure that the surface has attained its full strength. Newly poured concrete must complete its 28-day curing period. The surface should be devoid of any layers that may hinder adhesion, including oil, grease, dirt, paint, rust, and salt efflorescence. Weak surfaces, such as cracked plaster, should be removed by scraping off easily detachable materials. Enhanced results can be achieved by abrading the surface with a water jet or mechanical abrasive tool. Pores and holes should be cleaned using high-pressure air. The surfaces to be treated must be free of pits, segregations, and similar defects, which should be rectified with CLASS Remix Structural Repair Mortar. The application surface may be dry or slightly damp. The moisture content of the substrate concrete must not exceed 4%. The adhesion of the substrate to the surface should average 1.5 N/mm², and its compressive strength should be no less than 25 N/mm². During application, it is crucial to ensure that the surface temperature is at least +5°C.



Mixture

The prepared surface must be primed with CLASS EPX-110. In cases of highly absorbent concrete surfaces, two coats of primer may be required. The application thickness should be no less than 1.5 mm. It is crucial to ensure that the material is applied uniformly across the entire surface and to measure the thickness at regular intervals to guarantee optimal application. Weak points should be assessed, and all tasks, including fine applications and repairs, should be completed within four hours. The applied surfaces must be safeguarded against water, dew, dust, and other elements for a minimum of 24 hours. For areas that will be consistently exposed to UV light, the application of a single coat of aliphatic-based PU topcoat yields excellent results.



Application Details

It can be cleaned with thinner immediately after application, prior to hardening. Once the product has hardened, it should be removed using mechanical methods.



Consumption

17 – 2.3 kg/m² (for 1.5 mm) Consumption may fluctuate based on the soil composition.



PACKAGING

425 kg set



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.