

CLASSFLEKS 2K

Two-component fully elastic waterproofing compound.



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Product Overview
CLASSFLEKS 2K is a dual-component, cement and acrylic-based waterproofing material that is fully elastic and designed exclusively for positive-side application. It can be applied using a brush or spray, facilitating surface breathability.

Application Domains

- For effective insulation against ground moisture and seepage in foundations, retaining walls, and curtain walls.
- External insulation for basements
- For the insulation of moisture-prone areas, including bathrooms, kitchens, and restrooms.
- For the insulation of damp areas, including terraces and balconies.
- For positive (internal) insulation of spaces such as swimming pools and water tanks.
- It is utilized in both underground and above-ground construction projects, applied horizontally and vertically, for effective insulation of concrete, plaster, and screed.

Technical Specifications

Intensity	1.66 kg/lt
Application Temperature	+5 °C, +30 °C
Mechanical Strength	2 Days
Waterproof	7 Days
Adhesive Strength	2.5 N/mm ² (28 days)
High-Pressure Water Resistance	7 Bar Positive
Coating Duration	3 Days
Inter-floor Waiting Area	10 °C for 10 to 12 hours 20 °C for 5 to 7 hours 30 °C for 3-4 hours
Application Thickness	Min. 0.75 mm - Max. 1.5 mm

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 is straightforward to prepare and execute.
- It is exceptionally flexible.
- It exhibits exceptional adhesion and bonding strength to the surface.
- The ratios of the ingredients are specified on the packaging.
- It is paintable.
- It can be applied using a brush or through spraying.
- It conserves both labor and time.
- It is suitable for use in drinking water reservoirs.
- It allows the passage of water vapor.

Surface Preparation
Care must be taken to ensure that the surface has attained its full strength. It is essential that the surface is devoid of any layers that may compromise adhesion, including oil, grease, dirt, paint, rust, and salt efflorescence. Weak surfaces, such as cracked plaster, should be addressed by removing any easily detachable materials. When necessary, the surface may be roughened using mechanical methods. Pores and holes should be cleaned with high-pressure water or compressed air. The surfaces to be treated must be free of pits, segregations, and similar defects, which should be rectified using CLASS Remix Structural Repair Mortar. Prior to application, the surface must be thoroughly wetted and saturated with water.

Mixture
CLASSFLEKS 2K waterproofing mortar component B (liquid) is to be poured into a clean container. Prior to application, Component B (liquid) must be thoroughly shaken. Component A (powder) is then gradually added to the liquid and mixed uniformly for 6-7 minutes using a low-speed mixer or drill, ensuring the formation of lumps is avoided. This mixture is allowed to mature for 5-7 minutes and subsequently mixed again for 2-3 minutes before use. The mixture in the container should be stirred periodically; no additional powder or water should be introduced thereafter.

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→ Application Details

Apply CLASSFLEKS 2K in a minimum of two coats, ensuring to observe the recommended waiting time between applications. After completing the first coat, which should be applied consistently in one direction, proceed to apply the second coat perpendicularly and in the opposite direction. When applied over particularly wide gaps, it is advisable to leave an appropriate width of joint to mitigate the risk of cracking; these joints may be filled with flexible sealants. CLASS Reinforcement Mesh can be positioned between the two applications on surfaces susceptible to cracking. Beveling should be performed at joints on both horizontal and vertical surfaces, and a suitable CLASS Bevel Tape may be utilized over these areas.

↔ Consumption

For a thickness of 1 mm, the weight is roughly 2-4 kg/m².
The surface condition may fluctuate due to voids and other deficiencies.

kg PACKAGING

A + B component set: 30 kg. Component A: 20 kg Kraft bag. Component B: 10 kg plastic container.

+ 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 BENZKIM CLASS products, particularly the recommendations concerning their application and end use, is presented in good faith based on BENZKIM CLASS's current knowledge and experience under standard conditions, provided that these products are stored and applied correctly in accordance with BENZKIM CLASS's guidelines. The variability of products, application surfaces, and application areas in practice is significant. Therefore, when utilizing BENZKIM 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 BENZKIM CLASS regarding commercial suitability and/or suitability for a specific purpose. Failure to do so may result in BENZKIM 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. BENZKIM 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 BENZKIM CLASS.