

Product Overview
CLASS THERMAL Dekor is a single-component, polymer and fiber-reinforced, white cement-based decorative finishing mortar designed for application as a coating material on concrete, plaster, and comparable surfaces. It exhibits resistance to shrinkage and cracking.

- Application Domains**
- Indoors and outdoors
 - On the walls and ceilings
 - Horizontal and vertical
 - For applying plaster to concrete and plastered surfaces.
 - It serves as a concluding coating material for exterior thermal insulation systems.

Technical Specifications

Intensity	1.71 kg/lt
Water Mixing Ratio	5 to 6 liters of water for 20 kilograms of powder
Rest	5-10 Minutes
Working Hours	1-1.5 seconds
Adhesive Strength	$\geq 0,50 \text{ N/mm}^2$
Application Temperature	Between +5°C and +30°C

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 exhibits resistance to thermal shocks.
 - It imparts a natural and ornamental appearance to the structure.
 - It exhibits exceptionally high adhesion performance.
 - It enhances the mechanical strength of the building envelope.
 - Paint can be applied directly onto it.
 - It possesses significant UV resistance.
 - It conceals imperfections in the plasterwork.
 - It possesses water-repellent properties.

Surface Preparation
The surface must be clean, smooth, and in good condition. It should be devoid of dust, oil, paint, and any other substances that could hinder adhesion. Prior to application, the surface must be moistened and saturated with water in extremely hot and windy conditions. For highly absorbent or polished concrete surfaces, CLASS Primer 190 must be applied with a brush before the decorative plaster is applied. In thermal insulation applications, CLASS Primer 190 should be applied at least 24 hours after the final coat of plaster before proceeding with the application of CLASS THERMAL Dekor.

Mixture
20 kg of CLASS THERMAL Dekor (coarse) powder is combined with 5-6 liters of clean water and mixed for 3-4 minutes using a low-speed mixer or drill until the mixture is homogeneous and free of lumps. This blend is allowed to rest for 5-10 minutes to mature, after which it should be mixed again. It is advisable to use the mixture within 1.5-2 hours.

Application Details
CLASS THERMAL Dekor must be applied uniformly across the surface using a steel trowel. The thickness of the application should be adjusted based on the size of the largest granules, with a standard thickness of 2mm under normal conditions. Depending on the weather, a pattern should be formed on the surface using a plastic trowel in circular motions after 5-10 minutes while the decorative plaster remains wet. In expansive openings, the application should proceed with adequate personnel support to ensure that joints remain concealed. If painting is planned, a waiting period of 2-3 days is essential, contingent upon weather conditions. This waiting period may extend in lower temperatures and shorten in higher temperatures. In high-rise buildings exposed to wind loads and elevated air temperatures, humidification should be implemented, and scaffolding may require shielding.



Consumption

2,5 – 3 Kg/m²



PACKAGING

20 kg Kraft Bag



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.