

**Product Overview**  
CLASS 1058 is a cementitious, single-component, high-performance, polymer-modified adhesive mortar specifically designed for the bonding of aerated concrete, pumice blocks, hollow concrete, decorative bricks, and glass bricks.

**Application Domains**

- On horizontal and vertical surfaces within interior environments.
- On horizontal and vertical surfaces in exterior spaces.

It is utilized for bonding construction elements with elevated water absorption values, including aerated concrete, pumice bricks, hollow concrete, decorative bricks, and glass bricks.

**Technical Specifications**

<b>Intensity</b>	1,39 KG/lit
<b>Water Mixing Ratio</b>	5.5 to 6.5 liters of water for 20 kilograms of powder.
<b>Rest</b>	5-10 Minutes
<b>Working Hours</b>	1-2 Hours
<b>Correction Period</b>	20 Minutes
<b>Application Ground Temperature</b>	+5oC,+30oC
<b>Compressive Strength</b>	≥5 N/mm <sup>2</sup> (28 Days)
<b>Bending Strength</b>	≥3 N/mm <sup>2</sup> (28 Days)

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 exhibits exceptional adhesion performance.
- It is resilient and enduring.
- It does not dry rapidly on surfaces with high water absorption.
- It is straightforward to prepare and execute.
- It offers user-friendly functionality.
- It is impervious to water and humidity.

**Surface Preparation**  
The surface must be devoid of dust, oil, paint, dirt, silicone, and any other substances that may hinder adhesion. Highly absorbent surfaces should be dampened and maintained in a moist state throughout the application. It is essential to ensure that no water pools on the surface during the moistening process.

**Mixture**  
Twenty kilograms of CLASS 1058 powder should be combined with 5.5 to 6.5 liters of clean water in a clean container and mixed for 3 to 4 minutes using a low-speed mixer or drill until the mixture is homogeneous and free of lumps. The prepared mixture should be allowed to rest for 5 to 10 minutes to mature, followed by another mixing before use. It is advisable to consume the mixture within 1.5 to 2 hours.

**Application Details**  
The ready-to-use CLASS 1058 mortar is applied to the bonding surface using a trowel, ensuring a firm press to establish a layer. A notched trowel (10x10 mm), appropriate for the type and/or dimensions of the aerated concrete to be bonded, is then employed to comb the applied mortar onto the surface. The tiles are subsequently pressed firmly into the mortar and bonded within a maximum of 25 minutes. A minimum of 90% of the aerated concrete surface intended for bonding must be in contact with the mortar. Tapping the bonded aerated concrete with a plastic mallet will further enhance adhesion. For the initial row of aerated concrete tiles, the bottom and side surfaces that will contact the mortar should be moistened with water prior to installation. This procedure is unnecessary for subsequent rows.

# CLASS 1058

Adhesive for Aerated Concrete and Pumice Blocks



# BENZKİM



## Consumption

3 - 5 kg/m<sup>2</sup> (Varies based on the dimensions of the aerated concrete.)



## 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 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.