



BUILD – RENOVATE – REPAIR

GBK Aerated concrete adhesive

thin-bed mortar



TECHNICAL INFORMATION

Product type	Thin-bed mortar
Compressive strength class	M10 according to DIN EN 998-2
Mortar group	DM according to DIN 20000-412
Compressive strength	≥ 10 N/mm ²
Grain	0 – 0,5 mm
Processing temperature	+5°C to +30°C
Processing time	approx. 3 hours

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

PROPERTIES

- frost-resistant
- colour: grey
- compressive strength: ≥ 10 N/mm²
- good workability
- very good adhesion to aerated concrete
- no burning, placed bricks can be easily corrected
- behaviour in fire A1 - non-flammable
- provides technical mortar condition for subsequent thin plaster

APPLICATIONS

- for bonding high-precision units and high-precision elements made of aerated concrete
- suitable for highly absorbent aerated concrete precision blocks of strength classes PP 2 to PP 6
- for thin mortar joints from 1 to 3 mm

QUALITY

- cement in accordance with DIN EN 197-1
- mineral additives according to DIN EN 13139
- additives for regulating and improving workability and product properties
- additives for improving bonding to the subsurface
- low-chromate



PROCESSING

Do not process, allow to cure or harden in air, material or substrate temperatures of less than +5°C and over +30°C, in direct sunlight, and/or in strong wind.

Mixing contents of bag homogeneously, without lumps and ready for processing with clean water with a suitable stirrer or by hand. Observe specified amount of water. Use a clean stirring container and clean tap water for stirring. The right consistency is reached when closed bridges form when processing with a notched spatula. Mix through stirred product again briefly after a maturing time of approx. 5-10 minutes. Do not mix with other products and/or other substances.

Place the first layer of precision blocks perpendicular and horizontally with masonry mortar of strength class M10 according to DIN EN 998-2, e.g. quick-mix ZM repair mortar. Before bonding the second layer, smooth off any uneven areas. Remove dust from stone surfaces. Apply adhesive evenly approx. 2 to 3 precision block lengths approx. 1-3 mm thick and comb on. The mortar is applied with a mortar slider or a thin-bed roller. Place precision blocks from above where possible and knock on them with a rubber hammer. Prevent movement in longitudinal direction.

Process mixed mortar within 3 hours.

The fresh masonry work must be protected from unfavourable weather conditions such as very high and very low temperatures, frost, draughts, direct sunlight and driving rain (by covering with a plastic sheet, for example).

Clean all tools and equipment with water immediately after use.

There is no need to bond the butt joints on stones with a tongue and groove.

WATER REQUIREMENT / YIELD

Bag	Water requirement	Yield
2 kg/bag	approx. 0.5 l	approx. 1.5 l
5 kg/bag	approx. 1.4 l	approx. 3.5 l
10 kg/bag	approx. 2.5 l	app. 8 l
25 kg/sack	approx. 6.0 l	app. 19 l

CONSUMPTION

Empirical values for 1 m² wall area (with groove and tongue – without butt joint bonding):

approx. 1.6 kg/m² with 11.5 cm wall thickness

(Stone format L / W / H = 498 mm / 115 mm / 249 mm)

approx. 3.3 kg/m² with 24.0 cm wall thickness

(Stone format L / W / H = 498 mm / 240 mm / 249 mm)

approx. 5.0 kg/m² with 35.5 cm wall thickness

(Stone format L / W / H = 498 mm / 365 mm / 249 mm)

EMERGENCY NUMBER: +49 551 19 240

STORAGE

Store dry and as per instructions.

PACKAGING

- 2 kg/bag
- 5 kg/bag
- 10 kg/bag
- 25 kg/sack

DISPOSAL

Due to the Green Dot, the empty packaging can be disposed of via the Dual System Germany.

NOTE

This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.

The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.

29.01.2023