



PACKAGE 25 kg

Properties

POLIMIN PB-55 GAZBETON FIX is a masonry and putting mortar for external and internal walls made of cellular concrete blocks.

The improved product formula ensures the following advantages:

- **plasticity of the mortar** for the use of thin joint blockwork technique for preventing cold bridging;
- **high water-holding capacity** for adjusting masonry position and skim coating if necessary;
- **M10 strength class** to enable use for construction of both interior and exterior walls.

Application

POLIMIN PB-55 GAZBETON FIX is used for wall construction of different masonry materials, primarily of foamed concrete, using the thin joint blockwork technique (joint thickness of 3–5 mm). Compatibility: cellular concrete (foamed/aerated concrete), clay building tile, hollow brick, lime-sand and other similar materials.

Table 1

Specifications	
water ratio	0.18–0.22 l per 1 kg 4.5–5.5 l per 25 kg
mixed curing time	3–5 minutes
working time	min. 2 hours
min./max. application thickness	2/10 mm
compressive strength, MPa (N/mm ²)	10
putty, substrate, and ambient temperature for application	+5 °C to +30 °C
filler fraction	≤ 1 mm
chlorides content	≤ 0.1 %
packaging	paper bags: 25 kg

The time specified in the table is recommended for applying the mixture at a temperature of 20–22 °C and humidity of 60%.

POLIMIN PB-55 GAZBETON FIX

Masonry mortar for cellular concrete blocks

Masonry mortar for construction of external and internal walls made of cellular concrete blocks

- cellular concrete blocks;
- clay building tiles and bricks;
- M10 strength class;
- levelling layer thickness of 2–10 mm;
- for interior and exterior applications.



for cellular (aerated) concrete blocks



high plasticity



strength class: M 10





for interior and exterior works

Technical Requirements

The product complies with the requirements of EN 998-2. Declaration of Performance No. CPR 1/032.

Table 2

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fire resistance class	A1
compressive strength	≥ 10 N/mm ²
initial shear strength	≥ 0.3 N/mm ²
water absorption rate	≤ 0.5 kg/m ² hour ^{0.5}
vapour permeability coefficient	15/35
thermal conductivity	0.83 W/m K (λ10dry)
strength reduction after 25 freeze/thaw cycles	≤ 10%
weight reduction after 25 freeze/thaw cycles	≤ 3%
filler fraction	≤ 1 mm
chlorides content	≤ 0.1%

Performance of Works

Preparation of adhesive and blocks

Empty the dry mix from a bag into a container with an accurately metered amount of clean water (please refer to water ratio in Table 1 above) and mix with a low speed mixer to obtain uniform consistency. Allow to stand for 3–5 minutes and then remix. Use the prepared mortar within 2 hours.

Select blocks with proper geometry, free of chipping and visible damage. Do not use frozen masonry elements.

Construction of walls

Carry out the works in accordance with the wall construction

technology for heat-insulating (cellular) blocks. Lay the first series of blocks using a thick-joint masonry mortar or standard hard cement and sand composition (compressive strength of at least 10 N/mm²). Use Polimin PB-55 thin-joint adhesive for laying the next masonry courses. Distribute the mortar evenly over horizontal surfaces with a notched trowel, and adjust the position of blocks with a rubber hammer as required. Where the technology does not provide for other ways for joining of blocks, apply the mortar to vertical joint surfaces as well.

Consumption rate

The average rate of consumption per one 600x400x200 mm block with joint thickness of 3 mm is 2.5–2.8 kg of dry mix.

Wall thickness, cm	Rate of consumption, kg/m ² , for joint thickness of 3 mm
12	4 and more
15	6 and more
25	8 and more
30	10 and more
36	12 and more

Storage conditions

Store tightly closed in the original bags, in a dry environment (preferably on pallets). Protect from moisture. Storage life under the specified conditions is 12 months from the date of manufacture stated on label.

Additional information

- Open time, i. e. the time during which reliable laying and adjustment of blocks is ensured, is limited to about 10 minutes. Test the applied adhesive with your finger to check whether it is still suitable for bonding blocks (some adhesive should stick to your finger). If your finger remains clean after the "finger test", remove the old adhesive layer and apply a new one. Direct sunlight reduces open time significantly. During the hot season the moistening (spraying) the edges of blocks to be bonded with clean water is allowed.
- Wash tools with water immediately after use.
- The product contains cement. It is irritating to the respiratory system. Causes eye damage. May cause an allergic skin reaction. Keep out of the reach of children. Do not inhale dust. Wear protective clothing, protective gloves, safety goggles or face shield. In case of skin (or hair) contact, immediately take off contaminated clothing and wash the skin with plenty of running water (take a shower). Seek medical advice in case of skin irritation or rash. In case of eye contact carefully rinse with water for several minutes. Remove contact lenses if worn and easy to do so. Continue rinsing. Follow recommendations provided in the safety data sheet. The content of soluble chromium (VI) in the finished product is $\leq 0.0002\%$.

Special Information

The reliability of this data is based on laboratory tests and practical experience, and is relevant for the period specified in the technical specification.

The quality of the material is provided by a proprietary quality system that meets the requirements of the international standard ISO 9001.

The application, performance of work using the material shall be carried out in accordance with current regulatory documentation on the territory of the country, for example, for Ukraine: DSTU-N BV.2.6-212, DSTU-N B A.3.1-23, requirements of material – DSTU BV.2.7-126.

The manufacturer can not incur liability for damage caused by use of the material not in accordance with the issued specifications for use or when not used for its intended purpose. With the new edition's release, this document will cease to be in force.

The information contained in the technical card provides basic data relating to the application of the product and does not release from the obligation of performance of works in accordance with building codes and safety regulations. Since the issuance of this technical card, all previous ones have been cancelled. The current technical documentation of the product is available on drive. polimin.ua or polimin.ua in the relevant language section.

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