

PORO-BLOCK

High performance polymer-modified adhesive for light structural elements and aerated concrete blocks.

Description

High performance polymer-modified adhesive for light structural elements and aerated concrete blocks. **PORO-BLOCK** is adhesive, grout and plaster all in one product. The enhanced composition provides excellent mechanical strength for very demanding bonding requirements, such as walls exposed to weather conditions. Guaranteed continuous and effective thermal insulation for walls made with aerated concrete blocks, with a very high resistance index and limitless resistance to ageing.

Examples of applications

For walls and floors, indoor and outdoor applications :

- Aerated concrete blocks
- Bricks
- Cement bricks
- Building
- Ceramic tiles fixing
- Grouting of tiles, building blocks etc.

Specifications

Form: white dry mortar

Dry mortar density: 1.4 kg/L

Mix pot life: approximately 4 hours

Application temperature: +5°C to +35°C

Open time: up to 20 minutes EN 1346

Time for minor adjustments: up to 20 minutes EN 1346

Consumption: 15 - 25 kg/m³

Adhesion to concrete, 28 days: ≥ 1.0 N/mm²

Adhesion after being heated: ≥ 1.0 N/mm²

Adhesion after immersion in water: ≥ 1.0 N/mm²

Adhesion after freeze/thaw cycles: ≥ 1.0 N/mm²

Compressive strength: 28 days ≥ 1.5 N/mm²

Flexural strength: 28 days ≥ 3.0 N/mm²

Mixture preparation

The material must be prepared in a suitable container; first pouring approximately $\frac{3}{4}$ of the required quantity of water and then gradually adding the contents of the bag, whilst stirring with an electric mixer at low speed. Then add water until a uniform mixture is obtained. The mixture should be left about 10 minutes to settle and should be stirred slightly again. The quantity of mixing water written on the packaging is only indicative. You may reduce the quantity of water for more or less thixotropic composition, depending on the application at hand. Adding more water than the prescribed ratio may result in reduction of coating thickness during curing, and a reduction of the strength of the mortar. We recommend regular stirring without adding water.

Instructions for use

The mortar is spread on the substrate using a notched trowel, in order to be applied uniformly on the whole surface. Within 20min the aerated concrete elements are fixed by pressing them in the desired position. Open time under adverse weather conditions (sunlight, high temperatures, dry atmosphere, etc) or on highly absorbent surfaces, can be reduced even to a few minutes. Check periodically with your fingers whether a membrane has formed on the surface of the adhesive. In such a case, remove the dried part and add a quantity of fresh adhesive. Minor adjustments to alignment can be made within 10 min of the application. Use water to clean adhesive residue from tile surface and keep the tile joints clear before drying.

Packaging

Heavy duty paper bags, 25kg each.

Storage

Preferably in shady and roofed locations, low in moisture, for at least 12 months.

Precautions and safety

The product contains cement and is classified as an irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact, etc. In

case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose of in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

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Zertifiziert nach DIN EN ISO 9001

