

BAUFLEX FIBER

High performance, deformable, polymer modified tile adhesive for all types of tiles with fiber-reinforcement and LOW DUST technology.

Description

High performance cement based adhesive. Suitable for all types of ceramic tiles installation. BAUFLEX FIBER provides high final adhesion strength and excellent moisture resistance. It's fiber reinforced for extra strength and LOW DUST technology product for reduced dust during the mixing procedure. It is also qualified for application with prolonged open time and non slip of the tile.

Examples of applications

For bonding granite tiles (Grès, Porcellanato) clinker, cotto, natural stones, marble-style ceramic granite, ceramic mosaic, large tiles and generally absorptive or non-absorptive ceramic tiles on walls and floors where high adhesion, elasticity and extra resistance to moisture are required (e.g. terraces, balconies, old tile layers, floors with in-floor heating etc.) On substrates such as concrete, mosaic, cement screeds, plaster, brick surfaces etc. In indoor and outdoor areas.

Specifications

Form: white or grey, dry mortar

Dry mortar density: 1.4 kg/L

Mixing water: ≈ 7-8 L / 1 bag of 25kg

Mix pot life: approximately 6 hours

Open time: ≥ 30 minutes (E)

Slip: ≤ 0.5mm (T)

Consumption: 1.5 - 4 kg/m²

Time for minor adjustments: up to 20 minutes

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

Service temperature: -30 °C to +90 °C

Application thickness: up to 15 mm

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

Adhesion after being heated: ≥ 1.0 N/mm²

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

Adhesion after immersion in water: ≥ 1.0 N/mm²

Deformation ability: ≥ 2.5mm

Ready to use: after 7 days

Joint filling on walls: after 4-6 hours

Joint filling on floors: after 24 hours

Substrate preparation

Provide level and stable surfaces, completely dry and free from shrinkage tendencies. Remove loose or detached fragments, dirt, oil, dust, etc. Seal off and repair any major gaps. On surfaces coming into contact with the ground (e.g. basements) make sure that rising moisture is eliminated.

High-absorption substrates

For surfaces exposed to extreme solar radiation and during extreme summer heat or in case substrate is excessively absorbent such as lightweight structural elements, we recommend one coat of BAULAT emulsion that acts like a primer, or slight wetting of substrates – without saturation – in order to reduce water absorption and to improve adhesive workability.

Mixture preparation

The material must be prepared in a suitable container; first pouring approximately ¾ 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

Apply the mixture to the substrate using a notched metal trowel. To ensure improved adhesion on the substrate, spread a thin coat of adhesive with the smooth side of the spatula and immediately apply the desired thickness of adhesive with the notched edge of the spatula. If the back of the tiles is dusty, we recommend washing with clean water. Within 30min, fix tiles one by one and press them to ensure firm contact. 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 20min of tile placement. If the surface is left for a prolonged period and corrections are necessary, remove the tile, clean the adhesive from the surface and remount in the proper position. In case of minor surface irregularities or if increased adhesive thickness is necessary for alignment, spread the surface with a layer of adhesive of the required thickness and another layer of adhesive on the back of the tile. Mount the tile in place and press to ensure firm contact (at least 60-70%). On outdoor applications i.e. floors and walls subject to freezing or large tiles and floors subject to extremely heavy traffic, apply the adhesive also on the back of the tile (back buttering method) to ensure 100% coverage. In any case, use water to clean adhesive residue from tile surface and keep the tile joints clear before drying.

Product specifications

It is classified as type C2TE S1 adhesive according to European standard EN 12004

Packaging

Heavy duty paper bags, 25kg each. Pallets of 1500 kg.

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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