

Technical Datasheet

BAU A30

Deformable, polymer modified tile adhesive. Ideal for ceramic granite, ceramic tiles of all types, natural stone and large tiles.

Description

Cementitious, polymer modified, tile adhesive. It has no vertical slip, large open time and high resistance to thermal and mechanical stress and moisture. Examples of applications: Placing tiles of all types (eg Gres, percelanato, ceramic marble granite type, etc.) on walls and floors, interior and exterior. Ideal for underfloor heating, cementitious waterproofing materials, mosaics swimming pools and general surfaces require high adhesion and flexibility. Classified as a glue type C2TE S1 in accordance with European Directive EN 12004

Materials:

All types of ceramic tiles, Grès, Porcellanato, clinker, cotto, natural stones, marble-style ceramic granite, ceramic mosaic, large tiles.

Substrates:

- Underfloor heating
- Concrete
- Cement screed
- Mosaic
- Cement based waterproofing materials
- Floors clad with old ceramic tiles and granite
- Lightweight concrete
- Plaster
- Brickwork
- Light structural elements etc.

Highly absorbent 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 **BAU L40** emulsion that acts like primer, or slight wetting of substrates – without saturation - to reduce water absorption and to improve adhesive workability. In cases of installation of tiles or marble on humid floor areas (eg bathrooms, balconies, etc.) it is recommended to install the BAU BF butyl tape at the corners between the floor and wall (vertical surfaces) before applying the tiling adhesive.

Mixture preparation

Prepare the material 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 slowly with an electric mixer. Then add water until a uniform mixture with the required makeup is obtained. The quantity of mixing water written on the packaging is only exemplary. You may add a commensurate 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.

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Technical features

Form:

white, dry mortar

Mortar density:

1.4 kg/L

Mixing water:

≈7L / 1 bag of 25kg

Mix pot life:

approximately 5 hours

Open time:

up to 30 minutes, EN 1346

Application temperature:

+5°C to +35°C

Time for minor adjustments:

up to 30 minutes

Bonding strength EN 1348 (N/mm²)

Adhesion to concrete, 28 days:

≥1.0

Adhesion after being heated:

≥1.0

Adhesion after immersion to water:

≥1.0

Adhesion after freezing/thawing cycles:

≥1.0

Temperature resistance:

-40° C to +90° C

Joint filling on walls:

after 4-6 hours

Joint filling on floors:

after 24 hours

Ready to use:

after 7 days

Slip

≤0.5 EN 1308

Transverse deformation:

3,1 (+/- 0,2)

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Instructions for use

Apply the mixture on the substrate using a notched spatula. To ensure improved adhesion on the undercoat surface, spread a thin coat of adhesive with the smooth side of the spatula; immediately afterwards apply the desired thickness of adhesive with the notched edge of the spatula. In case dust is settled on the rear of the tiles, we recommend washing with clean water. Within 30 min, 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 30 min from 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 rear side 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 in a uniform fashion on the back of the tile (back buttering method) to ensure 100% coverage. In any case, use water to clean adhesive residue from the tile surface and keep the joints clear before drying.

Product specifications

Classified according to European standard EN 12004. Heavy duty cement-based adhesive in accordance with group C2TE S1


2011
EN 12004
Improved, cementitious adhesive for tiling, with extended open time and no vertical slip. C2TE S1

Notes

The BAU A30 adhesive presents VOC (volatile organic compound) emissions < 20 µg/m³

Consumption

1.5- 4kg m²

Storage

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

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Packages

Heavy duty paper bags, 25kg each. Pallets, 1200 kg or 1500 kg.

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 BAUSKIN 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.

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