

ULTRA ACRYLIC

High performance polymer modified, cement-based tile adhesive for installations on walls and floors with extended open time.

Description

High-quality, polymer-modified cement-based tile adhesive. Excellent resistance to frost and humidity. Offers increased thixotropy during application, no slipping when tiles are placed on vertical surfaces and extended open time for faster and safer installations.

Examples of applications

For bonding granite tiles and generally absorptive or non-absorptive ceramic tiles on walls and floors where high adhesion and resistance to moisture are required. On substrates such as concrete, cement screed, plaster, brick surfaces etc. in indoor and outdoor areas. Classified as C2TE type adhesive, according to European Directive EN 12004

Specifications

Form: white or grey, dry mortar

Dry mortar density: 1.4 kg/L

Mix pot life: approximately 5-6 hours

Slip: $\leq 0.5\text{mm}$ (T)

Time for minor adjustments: up to 20 minutes

Open time: ≥ 30 minutes

Application temperature: $+5\text{ }^{\circ}\text{C}$ to $+35\text{ }^{\circ}\text{C}$

Application thickness: up to 12 mm

Adhesion to concrete, 28 days: $\geq 1.0\text{ N/mm}^2$

Adhesion after being heated: $\geq 1.0\text{ N/mm}^2$

Adhesion after freeze-thaw cycles: $\geq 1.0\text{ N/mm}^2$

Adhesion after immersion in water: $\geq 1.0\text{ N/mm}^2$

Ready to use: after 7 days

Joint filling on walls: after 4-6 hours

Joint filling on floors: after 24 hours

Consumption: 1.5-4 kg/m²

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.

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 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 $\frac{3}{4}$ 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

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 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.

Packaging

Paper bags 25kg.

Storage

Preferably in shady and roofed locations, low in moisture, protected against ice, high temperature and exposure to sunlight for at least 12 months.

Elastification

For tiling on unstable substrates subject to vibrations or contraction-expansion effects, such as gypsum boards, in-floor heating floors, terraces, balconies etc. it is necessary that the tile adhesive be improved with the addition of 5 kg of SUPERLAT LATEX emulsion to 25 kg of ULYTRA ACRYLIC plus a quantity of water depending on the desired workability.

Product specifications

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

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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