

# DECOSET

High performance polymer-modified adhesive for thick layer installation (up 25-30 mm).

## Description

DECOSET is a coarse-grained polymer modified cement-base adhesive qualified as non-slip with extended open time suitable for fixing quickly and safely decorative bricks, natural stone, composite stone of all types, large tiles etc. It can also be used for grouting in the above applications.

## Examples of applications

DECOSET is suitable for fixing and grouting decorative overlays (artificial stone, slate, decorative bricks etc.) on walls or floors on various surfaces and especially where high adhesion and moisture resistance are required, indoors or outdoors.

## Application materials

- Decorative bricks
- Cement slabs
- Natural & artificial stone
- Roof tiles
- Granites
- Mosaic tiles etc.

## Substrates

- Concrete
- Screeds
- Aerated concrete
- Plasters etc.

## Specifications

**Form:** white or grey dry mortar

**Dry mortar density:** 1.4 kg/L

**Mixing water:** ≈ 6,5L / 1 bag of 25kg

**Consumption:** 2-5 Kg / m<sup>2</sup>

**Mix pot life:** approximately 4 hours

**Open time:** up to 20 minutes EN 1346

**Time for minor adjustments:** up to 20 minutes

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

**Service temperature:** from -30°C up to +90°C

**Adhesion to concrete, 28 days:** ≥ 1.8 N/mm<sup>2</sup>

**Adhesion after being heated:** ≥ 1.5 N/mm<sup>2</sup>

**Adhesion after immersion in water:** ≥ 1.5 N/mm<sup>2</sup>

**Adhesion after freeze/thaw cycle:** ≥ 1. N/mm<sup>2</sup>

**Ready to use:** after 7 days

## 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 SUPERLAT LATEX 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

The adhesive is spread on the substrate using a notched trowel, in order to be applied uniformly on the whole surface. The tiles are fixed by pressing them in the desired position. If the back of the tiles is dusty, we recommend washing with clean water. Within 20min, 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. Immediately after installation, smooth the joint with a damp sponge or small trowel. Any adhesive residue must be cleaned within 30 minutes with clean water. Otherwise if left longer use a stone cleaner.

## Packaging

Heavy duty paper bags, 25kg each.

## Storage

In sheltered areas, low in moisture, for at least 12 months from the production date.

## 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

BAUER BUILDING TECHNOLOGIES  
Megara Industrial Estate, Attica  
Tel: 210 5744222  
Fax: 210 5740777  
Email: [info@netbauer.com](mailto:info@netbauer.com)  
[http:// www.netbauer.com](http://www.netbauer.com)

Frankfurt, Reg. No 312310 QM  
Qualitätsmanagementsystem  
Zertifiziert nach DIN EN ISO 9001

