

# Product sheet

# CLAYTEC®

Building with Clay

## Clay adhesive and reinforcing mortar Item No. 13.555



- Powerful adhesion properties, pressure-resistant
- Supple
- Remains workable long after application



Clay adhesive and reinforcing mortar for reinforcement layers on clayboards, wood fibre topboards and interior insulation panels. Clay adhesive and reinforcement mortar is made from clay and cellulose ingredients. This guarantees maximum workability, even when it is applied thinly. With a compressive strength of 3,9 MPa that sets new standards for clay mortar, and an adhesive strength of 0.85 MPa, clay adhesive and reinforcing mortar guarantees the solidity of the entire structure. It provides a substrate for CLAYTEC clay finishing plasters (fine) and YOSIMA. With good preparation it can also be applied using the CLAYFIX clay coating material system and CLAYTEC Clay paint ready-to-use.

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For technical consulting, service teams  
and sales see [www.claytec.de/en](http://www.claytec.de/en)  
Product data and application  
see reverse

## Clay adhesive and reinforcing mortar

### Item. No. 13.555

**Application method** Adhesive and bonding mortar in dry, fine-grained, ready-mixed form for attaching light building and interior insulation boards to various substrates, and as a reinforcement mortar on clayboards, clay-hemp boards, wood fibre insulation and wood fibre finishing boards and mineral foam boards.

**Ingredients** Sand up to 1.0 mm, clay and loam, talc, perlite, plant fibres and cellulose.

**Material properties** Compressive strength 3,9 N/mm<sup>2</sup>. Adhesive strength 0.85 N/mm<sup>2</sup>.

**Form of delivery, coverage** 25 kg bags (yields 17 litres mortar for 5 m<sup>2</sup>), 48 bags/palette.

**Storage** Can be stored dry and cool for an indefinite period.

**Mortar preparation** The 25 kg dry mass is gradually stirred into 8-9 litres of clean water with a drill (≥ 800 Watt) or an agitator and agitator paddle (Ø 125 mm). Slightly less water should be added when used as bonding mortar. Consistency should be pasty and suitable for the desired application method with notched trowel or spatula.

Leave the mixture alone for 30 minutes, and then stir thoroughly again. The mortar is now ready for use.

**Plaster base** The substrate must be stable, frost-free, dry, clean, free of salt, sufficiently rough and absorbent. Layers of clay plaster mortar used as levelling must be completely dry.

The surface must be as level as is required for the adhesion purposes described below. Slightly uneven spots (smaller single points up to 5 cm diameter and 3 mm depth) can be pre-filled with the adhesive. Larger imperfections must be sealed with a suitable mortar and allowed to dry.

**Working method** The adhesive is applied to the rear side of the boards to be attached with a notched trowel or spatula (8-10 mm serrations). At the same time a thin layer of adhesive should be applied over the entire surface, i.e. also in the area around the grooves. The board is then set in place immediately and pressed firmly onto the substrate. It is essential to ensure that the entire surface is in contact.

Uneven masonry and plaster surfaces are first moistened slightly and coarsely pre-filled. The boards, coated on the rear side (see above), are pressed in while wet.

For boards requiring additional mechanical fastening, e.g. on ceiling and sloping roof surfaces, view the relevant product sheets or work sheets for the panels.

If used as an adhesive filling for thick layers of plaster on insulating boards (e.g. for wall surface heating) or for similar applications, the mortar is applied in the same way using a notched trowel or spatula, but is slightly stiffer.

For reinforcement layers, it is applied 3 mm thick. It can also be sprayed on using a plastering machine; if this application method is used, rest periods are not necessary. Reinforcement mesh is placed flat on the surface of the layer while it is still wet and worked in.

**Hardening** The hardening time is 24-72 hours, depending on the drying situation and the absorbency of the substrate. If additional mechanical fastening is to be attached to the board, or a thin layer of coating is to be applied, work on these can begin immediately.

**Work samples** In all cases, the adhesion between each panel to be secured and the substrate must be tested by means of a work sample of sufficient size. Compensation claims, unless they result from factory mixing errors, are excluded.

For instructions on working with this product see:

