

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.

ClayTec[®]

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Current version available at
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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 reinforcement mortar on clay building boards, clay-hemp boards, rigid and soft wood fibre insulation boards, as well as 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/mm². Adhesive strength: 0.85 N/mm².

Form of delivery, coverage 25 kg bags (yields approx. 17 litres of mortar for 5.7 m². Approx. 1.47 kg/m² per mm plaster thickness), 48 bags/palette.

Storage Unlimited shelf life if stored dry and cool.

Mortar preparation The 25 kg dry mass is gradually stirred into 8–9 litres of clean water using a drill ($\geq$ 800 watts) or a mixing device with a whisk ($\varnothing$ 125 mm). When used as bonding mortar, slightly less water should be added. The consistency should be pasty and suitable for the intended application using a notched trowel or notched spatula.

After a resting time of 30 minutes, stir the mixture thoroughly again. The mortar is now ready for use.

Plaster base The substrate must be load-bearing, frost-free, dry, clean, free from salt contamination, sufficiently rough and absorbent. Levelling layers made of clay plaster mortar must be completely dry.

The surface must be as even as required for the bonding method described below. Small uneven areas (individual spots up to 5 cm in diameter and 3 mm in depth) can be pre-filled with the adhesive. Larger defects must be filled with a suitable mortar and allowed to dry.

Working method The adhesive is applied to the reverse side of the boards to be fixed using a notched trowel or spatula (8–10 mm notch size). A thin adhesive layer should be applied across the entire surface, including the base of the grooves. The board must then be immediately placed and pressed firmly onto the substrate. Full surface contact must be ensured.

Uneven masonry and plaster surfaces should be slightly moistened and roughly pre-filled. The boards coated on the reverse side (see above) are pressed in wet-on-wet.

If necessary, the boards should be additionally mechanically fixed, e.g. on ceiling and sloped roof surfaces. Please refer to the respective panel product sheets or technical data sheets.

When used as an adhesive layer for thick-coat plasters on insulation boards (e.g. in wall surface heating systems) or similar applications, the slightly stiffer mortar is applied in the same way using a notched trowel or spatula.

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 between 24 and 72 hours, depending on the drying conditions and absorbency of the substrate. If additional mechanical board fixing and subsequent thin-layer coating are required, work can continue immediately.

Work samples In all cases, the adhesive strength between the substrate and the specific board type must be tested using a sufficiently large sample area. Claims for defects not caused by factory mixing errors are excluded.

Claims for compensation that do not result from factory mixing errors are excluded.

Subject to change and errors excepted. As of 2026/9.