

Clay dry plasterboard

Item No. 09.010 thickness = 16 mm, L = 625 mm, W = 625 mm

- **Building-biological dry plaster**
- **Good moisture sorption properties**
- **Fast and without installation moisture**



Dry plaster board made of clay and reed for full-surface cladding of wood and wood-based materials as well as old plaster surfaces and solid building materials. The ClayTec clay dry plaster board is used to improve the indoor climate in drywall construction. It was developed from practical craftsmanship experience and has been on the market for 20 years. Its handy format makes it easy to process. Clay adhesive and reinforcing mortar is suitable for bonding and reinforcement. As supplement to this product sheet the **ClayTec guidelines for „Low-emission drywall systems“**.



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Scope of application Clay building board as dry plaster for cladding old plaster surfaces as well as concrete walls, calcium silicate masonry walls, etc. For full-surface cladding of solid wood components, boarding and wood-based panels. On surfaces of water exposure class W0-I as per DIN 18534-1, e.g. in bathrooms, except for shower areas, and domestic kitchens. With reinforcing layer as substrate for YOSIMA clay designer plaster or ClayTec clay topcoat fine 06 with ClayTec ready-to-use clay paint or the ClayFix clay coating system.

Composition Building clay and clay, perlite, reed, wire-bound approx. every 20 cm, hemp, jute fabric.

Building material values Bulk density approx. 700 kg/m³, thermal conductivity value according to measurement of the clay building board D25: 0.13 W/mK, μ 18. Water vapour sorption class III. Heat storage: Cp 1.45 kJ/kgK, 16.2 kJ/m²K.

Dimensions and weights Thickness = approx. 16 mm, L = 625 mm, W = 625 mm. Mass approx. 4.4 kg/board = approx. 11.2 kg/m².

Delivery form Shrink-wrapped on pallets of 120 pcs.

Storage Store flat on pallets in a dry place. Storage is possible for an unlimited period. Protect against moisture during transport and storage on the construction site. On the construction site, store flat and level on dry pallets or timber.

Humidity Moisture exposure from wet-applied plasters and screeds is not permitted. In general, the relative air humidity during storage and after installation must not exceed 70 %.

Material requirement Approx. 2.6 boards/m². When determining the material requirement, allow for a reserve of approx. 10 % for cutting waste, etc.

Substrate The substrate must be load-bearing, frost-free, dry, clean – wood-based panels must be free of dust – free from salt contamination, sufficiently rough and absorbent. Roughly repair defects. If necessary, fix sandy substrates with ClayTec Tiefengrund und Festiger.

The moisture content of cladding substrates made of solid wood components, boarding and wood-based panels must be checked due to possible drying deformation and subsequent damage to claddings and coatings.

Processing The boards are cut with a jigsaw or hand-held circular saw. The FESTOOL diamond cutting system DSC-AG 125 Plus-FS is particularly suitable; see also the clip at www.youtube.com/channel/UCAGav3N5oD3HCerA1cz9RaA.

The flat side is to be plastered, not the slightly wavy side. The bottom row of boards is installed with a small gap, "air", to the floor.

On mineral absorbent substrates, the boards are bonded with clay adhesive and reinforcing mortar approx. 3 mm thick. For this purpose, the material is applied with a notched trowel or notched spatula, tooth size 8-10 mm, without covering too large an area at once. The boards are pressed firmly into the adhesive layer.

For uneven walls as well as ceilings and roof slopes, we recommend applying adhesive also to the back of the boards and immediately fixing them in place with suitable fasteners, such as knock-in anchors or similar.

On wood or wood-based materials, full-surface fixing with screws, ClayTec clay building board screws at 200 mm spacing; as a rule, however, fixing with 25 mm staples, e.g. Haubold staples series KG 700, ETA approval. Staple spacing approx. 150 mm, edge spacing 25 mm, measured from the centre of the staple. The staples must be driven flush with the surface; they must not be countersunk. Wood-based panels must not be penetrated by the screws or staples.

The boards are butted together as tightly as possible with minimal joints. The continuation of wall opening edges through horizontal or vertical joints is not permitted. The boards are installed with joints offset by at least 20 cm, preferably 30 cm.

Further treatment The room temperature should not fall below approx. +10 °C during jointing and coating work. In general, moisture input through plastering must be kept as low as possible. The perimeter board joint is closed with ClayTec clay joint filler. Carefully remove dust from the boards before applying mortar; if necessary, lightly pre-wet with a fine mist spray.

Fill gaps $\geq$ 1 mm wide to their full cross-sectional depth with fine clay mortar, level out differences in board thickness and allow to dry.

Thin-layer coating: Close screw holes and defects beforehand. After drying, coat the surfaces 3 mm thick with clay adhesive and reinforcing mortar, also possible with a plastering machine; mortar resting times are then not required. ClayTec glass fibre mesh 112 is worked into the still-wet surface over the full area.

After drying, apply YOSIMA clay designer plaster professionally with a rubbed surface; a smoothed finish is not possible. Alternatively, finish the reinforcing layer ready for painting, wet-on-wet layer thickness 1 mm, or, after drying, coat with ClayTec clay topcoat fine 06 or clay filling and surface filler, Q3. Paint with ClayTec ready-to-use clay paint or the ClayFix clay coating system.

Wall surface heating: Apply a sprayed base coat up to max. 8 mm with clay base plaster with straw, Clay Plaster Mineral 20 or SanReMo. After drying, fill up to the crown of the wall heating pipes. Drying of the entire base plaster with heating support is possible. For further information, see the ClayTec worksheet Clay Plasters.

As a supplement to this product sheet, the **ClayTec guidelines for „Low-emission drywall systems“** apply.

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

Changes and errors excepted. As of 2026/9.