

ClayTec HFA maxi

Item No. 09.226

Thickness = 25 mm, L = 1.875 mm, W = 1.250 mm, abutted

- Low-emission wood fibreboard (HFA)
- Lightweight
- Large format for professionals



Wood fibreboard (HFA) for cladding of wood and metal post structures of inner walls, facing shells, ceiling and roof surfaces. ClayTec HFA maxi boards are light and breathable. The large format of 125 x 187.5 cm ensures efficient working, it is designed to fit the 62.5 cm drywall grid. Thanks to the reasonably priced large building boards the low-emission drywall is affordable for everyone! As supplement to this product sheet the **ClayTec uidelines for „Low-emission drywall systems“**.



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2026/8
Changes and errors excepted.
Current version available at
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Scope of application Wood fibreboard (HFA) for cladding of wood and metal post structures in the interior. For inner walls and facing shells according to DIN 4103-1, installation area 1 or 2, for ceilings and roof surfaces. On surfaces of water exposure class WO-I as per DIN 18534-1, e.g. in bathrooms (except shower areas) and household kitchens. For full-surface cladding of solid wood components, boarding, and wood-based panels. With reinforcement layer substrate for YOSIMA clay design plaster or ClayTec clay topcoat fine 06 with ready-to-use ClayTec clay paint or the ClayFix clay coating system.

Composition Wood fibers from PEFC-certified forestry, white glue for layer bonding.

Parameters Compressive strength ≥ 150 kPa. Bulk density approx. 250 kg/m³, Thermal conductivity value 0.05 W/mK, μ 5. Heat storage capacity: $C_p = 2.1$ kJ/kgK, 13.1 kJ/m²K. Fire behaviour according to DIN EN 13501-1: E

Component values For stability according to DIN 4103-1, sound insulation of walls and facing shells, as well as building material and fire resistance classes for walls and ceilings, please refer to the **ClayTec guidelines for „Low-emission drywall systems“**.

Dimensions and weights Thickness = 25 mm, L = 1.875 mm, W = 1.250 mm. Surface per board = 2.34 m². Mass of approx. 14.6 kg/board = approx. 6.25 kg/m².

Delivery form Shrink-wrapped on pallets of 45 pcs.

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

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

Material requirement Allow a reserve of approx. 10 % for waste, etc. Allow approx. 15 % extra fasteners.

Substructure **Wood posts:** Solid softwood according to DIN EN 14081-1 or glued laminated timber (BSH) according to DIN EN 14080. Strength class min. C24 (DIN EN 338), sorting class S10 (DIN 4074), moisture content max. 18 %.

Metal posts: Steel sheet profiles according to DIN 18182-1 / DIN EN 14195.

Grid walls: Axles dimension distance 625 mm (= 1,875 mm / 3 or = 1,250 mm / 2).

Grid ceilings and roof pitches: Axles dimension distance 417 mm (approx. 1,250 mm / 3) or 469 mm (approx. 1,875 mm / 4)

The wall-surrounding substructure members are backed with ClayTec drywall tape and mounted according to the rules of engineering. When constructing the stud frame, ensure that the boards are mounted rotated 90° to the substructure. Mounting directly on load-bearing components (e.g. rafters, ceiling beams) is strongly discouraged.

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

Processing Boards can be cut with a jigsaw or hand-held circular saw, see also the video clip at www.youtube.com/watch?v=5FFMZ6PX7dY. When cutting strips less than 3 cm wide, the bonded layers may separate.

The side to be plastered is the light, sanded surface printed with the product designation. The bottom row of boards must be installed with a small gap ("air") to the floor. Boards may be installed vertically or horizontally. Fit boards tightly to the substructure.

Screws: Mount on wood using ClayTec clay building board screws 5 x 50 mm or FN drywall screws with coarse thread. On metal C-profiles use FN drywall screws with fine double thread, on UA-profiles use TB drywall screws with countersunk washer. Screw spacing ≤ 200 mm; that is, 4 fixing points per board/substructure crossing. Slightly countersink screws (flush with board surface).

Staples: Mount on wood using 45 mm staples, e.g. Haubold Art. No. 574941 KG 745 Cnk resin-coated 12 μ m (ETA). Staple spacing ≤ 65 mm. Staples must be flush with the surface, not driven in deeper.

Cross joints and continuation of wall openings through horizontal or vertical joints are not permitted. Stagger the joints by one post spacing. Connections to solid walls and ceilings must be made with joints.

If the boards are exceptionally used for full-surface cladding, the fixing is carried out as for ClayTec HFA thin (Art. 09.009). See that product for details.

Further treatment For jointing and coating works, room temperature must not fall below +10 °C. Moisture penetration from plaster should be kept as low as possible. Close the wall-surrounding board joints with ClayTec clay joint filler. Carefully remove dust from the boards. Fill gaps ≥ 1 mm wide completely with fine clay mortar and allow to dry.

Thin-layer coating: Close screw holes and imperfections. After drying, coat the surface 3 mm thick with ClayTec clay adhesive and reinforcing mortar (can also be sprayed with a plastering machine; rest times are then not required). Embed Glass fabric I12 evenly into the still-wet surface. After drying, professionally apply YOSIMA clay design plaster with floated surface (smoothed finish not possible). Alternatively, finish the reinforcement layer ready for painting (fresh-in-fresh, 1 mm coat) or, after drying, coat with ClayTec clay topcoat fine 06 or clay filling and smoothing compound (Q3) and paint with ready-to-use ClayTec clay paint or the ClayFix coating system.

Thick-layer coating: Prime surfaces with "DIE ROTE" (The Red) primer. Apply Clay undercoat plaster with straw, Clay plaster Mineral 20 or Clay plaster SanReMo in a layer thickness of max. 8 mm on walls and max. 5 mm on ceilings or roof pitches. Embed Glass fabric I12 evenly into the still-wet surface. Allow to dry. Total plaster thickness: walls max. 15 mm, ceilings/roof pitches max. 10 mm (each in at least two layers).

Wall surface heating: Prepare the surfaces with "DIE ROTE" primer or by toothed trowel application of clay adhesive and reinforcing mortar. Allow to dry. Apply a first layer up to max. 8 mm with one of the clay plasters mentioned above. After drying, level up to the top of the heating pipes. Drying of the base plaster may be supported by heating. For further information see ClayTec work sheet Clay Plasters.

Familiarity with the **ClayTec guidelines for „Low-emission drywall systems“** is mandatory for handling the products.

Claims for compensation not resulting from factory mixing errors are excluded. Subject to change and errors excepted. As of 2026/8.