

CLAYTEC HFA thin Item No. 09.009

Thickness = 8 mm

- Ecological wood fibreboard (HFA)
- Clay plaster base layer in wood construction
- Thin and reasonably priced



Thin wood fibreboard (HFA) as plaster base on wood and wood materials. The boards can be screwed or stapled. This way a subsurface is easily created on the wood for the reinforcing layer from clay adhesive and reinforcing mortar and the subsequent clay finish.

As supplement to this product sheet the **CLAYTEC Guidelines for ecological drywalls in system apply.**

CLAYTEC HFA thin**Item. No. 09.009, thickness= 8 mm**

Scope of application Wood fibreboard (HFA) as plaster base in wood construction for CLAYTEC clay plaster in interiors. On surfaces of water exposure class W0-I as per DIN 18534-1, e.g. in bathrooms (except for shower area) and household kitchens.

Building material values Compressive strength ≥ 100 kPa, Bulk density 230 kg/m^3 , Thermal conductivity value 0.05 W/mK , $\mu 5$. Heat storage: $C_p 2.1 \text{ kJ/kgK}$, $3.9 \text{ kJ/m}^2\text{K}$. Fire behaviour according to DIN EN 13501-1: E

Dimensions Thickness = 8 mm. L= 1.200 m, W= 600 m. Surface per board = 0.72 m^2 .

Delivery form 276 boards/individual pallets.

Storage In storage flat on pallets, dry. Storage is unlimited. Protect against moisture during transport and storage on construction site. On the construction site, store flat and even on dry pallets or wood. Protect edges against damages.

Humidity Moisture stress due to wet installed plaster or screed is not allowed. In general, the relative air humidity should not exceed 70% during storage and after installation.

Material requirement When determining material requirements take into account reserves of approx. 10% for waste, etc.

Substrate The substrate must be stable, frost-free, dry, clean (wooden boards must be dust-free), free from salt exposure, sufficiently rough and absorbent. Roughly touch up imperfections. Fix sandy substrate with CLAYTEC plaster primer and sealing.

Processing Cut the boards with jigsaw, circular saw or with cutter knife.

The bottom row of the boards must be mounted with some spacing to ("Air") the floor.

Flat mounting on wood or wood material with screws (CLAYTEC clay building board screws in 200 mm spacing), but usually bracket mounting with 25 mm brackets, e.g. Haubold bracket series KG 700 (ETA approval), with bracket spacing of approx. 150 mm, edge spacing 25 mm (from the middle of the bracket). Wooden boards should not be punctured by the screws or brackets.

Cross jointing and continuation of wall opening limits through horizontal or vertical joints are not allowed. The processing of boards is done with vertical joints offset by min. 20 cm, or preferably 30 cm.

Further treatment The room temperature should not exceed $+10^\circ \text{C}$ for joint and coating works. In general, keep the moisture penetration through the plaster to as low as possible. Use Claytec clay joint-filler for closing the wall-mounted board joint.

Carefully dust off the boards before mortar application.

Thin-layer coating: Finely and deeply fill gaps at board joint at ≥ 1 mm wide with CLAYTEC clay adhesive and reinforcing mortar or clay topcoat fine 06, close screw recesses and imperfections, allow to dry. The surfaces are coated 3 mm thick with clay adhesive and reinforcing mortar. It can also be injected with a plaster machine, rest times are not required for this application. Glass or flax fabric is worked into the still wet surface. After drying professionally apply YOSIMA clay design plaster. For the YOSIMA clay surfacer system or the CLAFIX clay coating system the fabric of the reinforcing layer is covered wet-on-wet.

Thick-layer coating: Close gap ≥ 1 mm wide as before. The surfaces are pretreated with RED primer. Apply clay undercoat plaster with straw, clay plaster MINERAL 20 or clay plaster SanReMo on wall surfaces in a layer thickness of max. 8 mm and max. 5 mm on ceiling or roof pitch surfaces. Glass or flax fabric is worked into the still wet surface. Allow to dry. Total plaster thickness for the wall max. 15 mm, ceiling or roof pitches max. 10 mm (each at least in two layers).

Wall surface heating: Close gap ≥ 1 mm wide as before. Prepare the surfaces with RED primer or with notched trowel made of clay adhesive and reinforcing mortar. Allow to dry. Pre-spray up to max. 8 mm with clay plaster mortar mentioned above. Polish up after drying up to pipe crow wall heating. Drying of the entire base plaster with heating support. For further information see CLAYTEC work sheet Clay Plaster.

As supplement to this product sheet the **CLAYTEC Guidelines for ecological drywalls in system apply.**

For instructions on working with this product see:

