

Clayboards heavy (LEMIX) D 16 / D 22

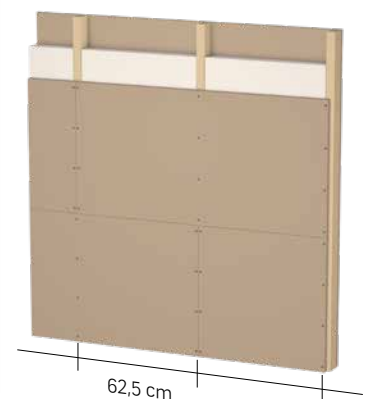
Item No. 09.014, 09.015

09.014 thickness = 22 mm, 09.015 thickness = 16 mm

DIN 18948



- Pure clay mass
- Heavy duty



Drywall clayboards for planking wood and metal post and beam constructions on interior walls, facing and ceiling and roof surfaces. The heavy clayboard brings a lot of clay into the room, with all the material's positive impacts on the indoor climate, especially from a heating perspective. It can be cut with a handheld circular saw. The 22 mm thick clayboard enables a wide substructure grid (62.5 cm) to be created for walls.

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Product data and application
see reverse



Clayboards heavy (LEMIX)

Item. No. 09.014 thickness 22 mm, 09.015 thickness 16 mm

Clayboard (LP), (A), (B) - DIN 18948 - MHK II - 1.6 - 22/16

Field of application Clayboards for planking indoor wood and metal post and beam constructions. For interior walls, skirting and ceiling and roof surfaces in drywall construction. For complete cladding of wooden materials and chipboard panels. As a substrate for clay plaster SanReMo, YOSIMA clay designer plaster or CLAYTEC clay topcoat fine with CLAYFIX clay paint.

Composition Clay, earth, wood fibre, starch, hessian mesh (rear side only)

Material properties Surface hardness ≤ 15 mm, flexural strength ≥ 0.8 N/mm², surface tensile strength ≥ 0.1 N/mm², gross density class 1.6, thermal conductivity 0.353 W/mK, cp approx. 1,1 kJ/kgK (thickness = 22 mm 35,1 kJ/m²K, thickness = 16 mm 25,5 kJ/m²K), μ 5/10, water vapour absorption class WS II, building material class A1 (room-facing side).

Building component values Various soundproofing and fire protection test certificates are available for dividing walls and planking with LEMIX clayboards, see <https://lemix.eu/media/upload/downloads/Lemix-Datenblatt.pdf>

Dimensions and weights Dimensional tolerance class MHK II, width = 125.0 cm (± 4 mm), length = 62.5 cm (± 4 mm), thickness = 22 mm or 16 mm (+ 1, - 3 mm). Evenness = - 1 mm. Weight: 22 mm thick approx. 32 kg/m² = approx. 25 kg; 16 mm thick approx. 23 kg/m² = approx. 18 kg

Supply form Shrink-wrapped on pallets of 40 units

Storage Store resting on pallets; keep straight and dry. There is no time limit on storage.

Amount required Approx. 1.28 panels/m². When calculating amount required, allow about 10% extra for wastage etc.

Substructure Walls: thickness 22, axial spacing 62.5 cm (= 125 cm/2). Thickness 22 Ceilings and sloping roofs: axial spacing 31.25 cm (=125 cm/4); 16 mm thick: walls, ceilings and sloping roofs: axial spacing 31.25 cm (= 125 cm/4). You are strongly advised not to attach the material directly to load-bearing parts of the building (e.g. rafters, beams). ATV DIN 18334:2016-09 applies with regard to the maximum moisture content of substructure wood.

Processing For transportation in the warehouse and on the building site, we recommend the **transport aid LEMIX TH**, aluminium frame with handles, 80 x 63 cm, approx. 2.6 kg (CLAYTEC 182/400).

Moisture stresses arising from plasters and screeds applied when wet are not permitted. The relative humidity during storage and after installation should not generally exceed 70%. Entry of moisture via the plasterwork must be kept as low as possible. The material may be cut with a jigsaw, handheld circular saw or cutting disc. Plaster must be applied to the clay side of the panel, not the hessian side.

The boards are cut with a jigsaw or handheld circular saw. The FESTOOL plunge saw TSC 55 or diamond cutting system DSC-AG 125 Plus-FS are particularly suitable, see also the clip at www.youtube.com/watch?v=5FFMZ6PX7dY

Wall Cladding (on a wood or metal framework): The lowest row of boards is installed leaving a gap between the bottom edge and the floor. The boards are affixed to the substructure frame. They are rotated at a 90° angle to the substructure and attached length-wise. The boards should be hung in staggered rows so that there are no cross joints and the continuation of wall openings through horizontal or vertical joints is not permitted. The joints should be staggered by at least 25 cm. Affix to wooden frame substructures using LEMIX clay board screws 5 x 60 mm with flat plate head and partial thread, drive TX25 (CLAYTEC 35/115). Affix to metal frame substructures using drywall screws e.g. 3.9 x 45 mm (≥ 10 mm sheet penetration) with trumpet head and full thread (double thread, fine), drive PH2.

Wall Cladding (on a flat surface): On walls made of wood or wood-based materials flat staple fastening may also be used with wide back staples, e.g. BEHRENS (BEA) 146/55NR HZ. Spacing of the staples approx. 8 cm apart, distance from the edge of the board, 20 mm. On even walls made of mineral materials, affix the boards with thin-layer bonding using clay adhesive and reinforcement mortar (CLAYTEC 13.550), with additional dowelling at the edges every 30 cm with impact dowels and plastic washers. Penetration depth into the substructure ≥ 30 mm.

In bathrooms, use rustproof fasteners only.

Subsequent processing If necessary, carefully fill gaps of ≥ 1 mm in width with clay topcoat fine 06 and leave to dry.

Carefully dust panels; if necessary, moisten slightly before use (with spray).

Reinforcement layer of clay topcoat fine 06 or clay adhesive and reinforcing mortar as well as glassfibre mesh 112 CLAYTEC 35.011 oder 35.014. After drying, professionally apply YOSIMA clay design plaster, YOSIMA colour clay surfacer or CLAYFIX clay paint.

Wall panel heating: Spray on an initial layer of clay undercoat plaster with straw, clay plaster, mineral clay plaster or SanReMo in a layer thickness not exceeding 8 mm. After drying, fill the gaps as far as the pipe clamp for the wall heating. Apply heat to dry the entire basecoat layer. For further instructions, refer to the CLAYTEC 'Clay plasters worksheet'.

For instructions on working with this product see:

