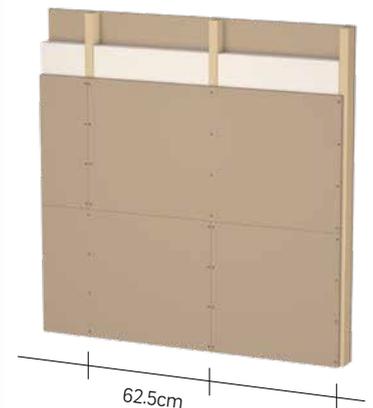


CLAYTEC Greentech 700

09.016

- Clay hemp board
- Moderate weight
- Solid, sharp-edged, dimensionally accurate



Drywall board made of clay and hemp for planking wood and metal elements within interior walls, skirting, ceiling and roof surfaces. CLAYTEC Greentech 700 is solid and stable, sharp-edged and dimensionally accurate. It has the best constructional biological properties. The drywall substructure grid is 62.5 cm. Its resistance to water also allows applications of thick clay plaster layers.

For technical consulting service teams
and sales see www.claytec.de
Product data and application
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CLAYTEC Greentech 700

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Application area Construction boards for planking indoor wood and metal elements. For interior walls, skirting, ceiling and roof surfaces in drywall construction. For complete enclosure of solid substrates like concrete, sand-lime brick and masonry walls, wooden materials and chipboard. As a base coat for Claytec clay plasters.

Composition Clay and loam approx. 30%, hemp hurds, natural bonding agent, partly inorganic (magnesite) and organic (soy, EU)

Material properties Raw density approx. 700 kg/m³, thermal conductivity 0.13 W/mK, Cp approx. 1.4 kJ/kgK, μ 12.3, fire behaviour B - s1 d0

Dimensions and weights W = 125.0 cm \pm 2 mm, L = 62.5 cm \pm 2 mm, T = approx. 22 mm \pm 2 mm. Perpendicularity < 3 mm. Weight approx. 15.4 kg/m² = approx. 12.4 kg/board

Delivery form Shrink-wrapped on pallets à 50 units

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

Material requirements Approx. 1.28 boards/m²; calculate approx. 10% cutting losses.

Substrate Walls: Axial spacing 62.5 cm (= 125 cm/2). Ceilings and inclined roofs: Axial spacing 41.67 cm (= 125 cm/3)
You are urgently advised against attaching the material directly to load-bearing parts of the building (e.g. rafters, beams).

Processing All screeds and plasters must be dry. The boards must not be exposed to the influence of significant damp after mounting, i.e. reinforcement.

The boards can be cut using a jigsaw (ceramic blades) or a handheld circular saw.

The lowest row of boards must be fitted with a gap ("space") to the floor. The boards are abutted with the substrate. They are mounted on the substrate with a 90° offset and installed in an interlocking pattern. Vertical butt joints must not be positioned one above the other; the offset must be at least 25 cm. Cross joints and the extensions of wall opening boundaries using horizontal or vertical joints are prohibited.

Attached to wood using CLAYTEC clay construction board screws 5 x 50 mm or WÜRTH drywall screws with coarse thread. Attached to metal using WÜRTH drywall screws with drill bit or KNAUF universal screws FN 4.3 x 35 mm. Screw spacing approx. 20 cm (approx. 12 screws per board / approx. 16 screws per m²).

Clamp fastening on the whole surface of wood with BEA 16/32_NK_HZ, on wooden frames with 155/50_V2_HZ (155/65_V2_HZ if thick layer coating is planned. Twice as many clamps should be used compared to screws (see above); spacing from the edge 10-15 mm.

Only use rust-proof fasteners in bathrooms.

Further treatment If necessary, carefully fill gaps of \geq 1 mm in width with CLAYTEC clay adhesive and reinforcing mortar or clay finishing plaster and leave to dry. Plaster is applied to the rough side of the boards; dust must be removed carefully from them beforehand.

Thin layer coating: The surfaces are coated with a 3 mm layer of clay adhesive and reinforcing mortar. It can also be sprayed on using a plastering machine; rest periods are not necessary for this application. Glass fibres are worked flatly into the surface of the layer that is still wet. Properly apply YOSIMA clay designer plaster after drying. Produce the reinforcement layer very carefully for the YOSIMA clay paint spatula system or the CLAYFIX clay coating system (= close the drill holes and indentations before starting and allow these points to dry); it is more advisable to apply a thin layer of clay finishing plaster.

Thick layer coating: Apply clay base coat with straw, mineral clay plaster or SanReMo to the wall in a layer thickness not exceeding 8 mm. Prepare ceilings and inclined roof surfaces with DIE ROTE primer; apply plaster in a thickness of 5 mm at max. Glass fibres are worked flatly into the surface of the layer that is still wet. Leave to dry. Total thickness of the plaster structure is 15 mm at max. for walls and 10 mm at max. for ceilings and inclined roofs.

Wall panel heating: Spray one of the above clay mortars on to the surface up to 8 mm at max. After drying, line up to the pipe clamp for the wall heating. Apply heat to dry the entire base coat. For further instructions, refer to the CLAYTEC Work Sheet for Clay Plasters.