Technical Product Information

WEM Clay Panel 16 mm

Article no. 10016

Description

The WEM Clay Panel 16 mm is a construction board that is produced by brushing loam into a mould and reinforcing it with plant fibres. It is fitted with reinforcement close to the surface on both sides.

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Scope of application

Clay construction panels are used as plaster base for dry construction in the entire interior finishing sector and as planking for timber stud walls, interior walls and partition walls.

Benefits

- High noise protection
- Simple and easy installation
- Minimum increase in humidity due to thin plaster coats
- Very short drying times
- Pure natural product without any harmful substances
- Permeable to vapour and capillary conductive
- Good heat storage

Materials

Panel	Natural construction loam, plant fibres, mixed grained washed sand,
Reinforcement	Glass-fibre fabric

Technical data

Dimensions	100 x 62.5 x 1.6 cm
Weight	Approx. 22.4 kg/m² (about 14 kg/pce.)
Bulk density	Approx. 1 400 kg/m³
Thermal conductivity λ	0.59 W/m²·K
Specific thermal capacity C_p	Approx. 1.0 kJ/(kg·K)
Vapour diffusion resistance μ	5 to 10
Compressive resistance σ_d	> 2.5 N/mm²
Edge shape	Blunt
Material class	A2 (non-combustible) as per DIN EN 13501-1
To be ensured on site	Protect against moisture, store in dry location, installation temperature ≥ 5°C

Processing

The panels are laid in a bond, vertical joints must not be on top of each other. The butt joint offset is at least 25 cm. The panels are cut to size using conventional stone or woodworking machines. Breaking the panels is also possible. The reinforcement fabric is cut through on both sides with a cutter knife and then the panel is broken over one edge.

Mounting to substructures on walls:

The substructure is created with a grid size of less than 31.25 cm. It should be fitted so that it is parallel to the long side of the clay construction panels. The long sides of the panels are joined to the substructure in this way. They are fastened with corrosion-protected screws (e. g. Spax 5 x 50 mm) and with the WEM Disk Fasteners plates or broad-back staples (26/45-65 mm). At least nine fixing points per panel must be provided, six fixing points per panel when screwing in the joint area.