

FACT SHEET



Lemix® Clay Building Boards are drywall panels perfectly suited for the entire spectrum of interior construction works. They are suited for interior walls, wall facings, lightweight partition walls, panelling of timber post-and-beam structures, ceilings and roof-slope coverings. They are equally suited for new building projects and for the refurbishment of existing buildings, as well as for projects involving the preservation of historical monuments.

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Lemix®

The brand clay panel

	Performance					Specification
Type	Clay building boards for lining and panelling: Clay building board (LP), (A),(B) - DIN 18948 - MHK II - 1,6 - 16 Clay building board (LP), (A),(B) - DIN 18948 - MHK II - 1,6 - 22 Clay building board (LP), (A),(B) - DIN 18948 - MHK II - 1,6 - 40 Clay building board (LP), (A),(B) - DIN 18948 - MHK II - 1,6 - 50					DIN 18948:03-2024
Board dimensions	Nominal thickness t: Nominal length l: Nominal width w:	16 mm 1250 mm 625 mm	22 mm 1250 mm 625 mm	40 mm 625 mm 625 mm	50 mm 625 mm 625 mm	
Dimension tolerances	MHK II Permissible Deviations: Nominal length l: ± 4 mm Nominal thickness t: + 1/-3 mm Nominal width w: ± 4 mm Evenness e: 3 mm Squareness r: 3 mm					DIN 18948:03-2024
Reinforcement	Natural, untreated wood fibre Surface reinforcement: jute (only 16 and 22 mm)					DIN 18948:03-2024
Mining area Raw materials	Northern Bavaria					
Stabilising admixture	Starch					DIN 18948:03-2024
Size per board	0,781 m²			0,391 m²		
Board thickness	16 mm	22 mm	40 mm	50 mm		
Board weight (per unit)	ca. 18 kg	ca. 25 kg	ca. 24 kg	ca. 30 kg		
Board weight (per m²)	ca. 23 kg	ca. 32 kg	ca. 61 kg	ca. 77 kg		
Pallet contents (per unit)	60	40	40	30		
Pallet contents (per m²)	46,88 m²	31,25 m²	15,63 m²	11,72 m²		
Article code	170002016	170002022	170002040	170002050		
Bulk density class	1,6					DIN 18948:03-2024
Bulk density	ca. 1450 kg/m³		ca. 1550 kg/m³			
Surface hardness	≤ 15 mm board with increased surface hardness					DIN 18948:03-2024
Flexural strength	≥ 1,2 N/mm²					DIN 18948:03-2024
Surface tensile strength	≥ 0,1 N/mm²					DIN 18948:03-2024
Vapor diffusion resistance factor	μ = 5/10					DIN 18948:03-2024
Thermal conductivity	λ = 0,353 W/mK					DIN 18948:03-2024
Specific thermal capacity	C _p ca. 1100 J/kgK					DIN 18948:03-2024
Site related thermal capacity	16 mm 25,3 kJ/m²K	22 mm 35,2 kJ/m²K	40 mm 67,1 kJ/m²K	50 mm 84,7 kJ/m²K		
Vapor adsorption class	WS III After 1 hour: ≥ 13 g/m² After 6 hours: ≥ 40 g/m² After 12 hours: ≥ 60 g/m²					DIN 18948:03-2024
Building material class	A2 s1 d0 (non-inflammable)					DIN EN 13501-1:2019-05
Seal of quality	natureplus®					
Quality Control	In-plant production control					DIN 18942-100:03-2024

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