

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.

	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	DIN 18948:12-2018
Board dimensions	Nominal length l: 1250 mm Nominal width w: 625 mm Nominal thickness t: 16/22 mm	
Dimension tolerances	MHK II Permissible Deviations: Nominal length l: ± 4 mm Nominal width w: ± 4 mm Squareness r: 3 mm	Nominal thickness t: $+ 1/- 3$ mm Evenness e: 3 mm DIN 18948:12-2018



Lemix®
The brand clay panel

	Performance		Specification
Reinforcement	Natural, untreated wood fibre Surface reinforcement: jute		DIN 18948:12-2018
Stabilising admixture	Starch		DIN 18948:12-2018
Size per board	0,781 m ²		
Board thickness	16 mm	22 mm	
Board weight (per unit)	ca. 18 kg	ca. 25 kg	
Board weight (per m ²)	ca. 23 kg	ca. 32 kg	
Pallet contents (per unit)	60	40	
Pallet contents (per m ²)	46,88 m ²	31,25 m ²	
Article code	17 000 2016	17 000 2022	
Bulk density class	1,6		DIN 18948:12-2018
Bulk density	ca. 1450 kg/m ³		
Surface hardness	≤ 15 mm board with increased surface hardness		DIN 18948:12-2018
Flexural strength	≥ 1,2 N/mm ²		DIN 18948:12-2018
Surface tensile strength	≥ 0,1 N/mm ²		DIN 18948:12-2018
Vapor diffusion resistance factor	μ = 5/10		DIN 18948:12-2018
Thermal conductivity	λ = 0,353 W/mK		DIN 18948:12-2018
Specific thermal capacity	C _p ca. 1100 J/kgK		DIN 18948:12-2018
Site related thermal capacity	16 mm 25,3 kJ/Km ²	22 mm 35,2 kJ/Km ²	
Vapor sorption class	WS III After 1 hour: ≥ 13 g/m ² After 6 hours: ≥ 40 g/m ² After 12 hours: ≥ 60 g/m ²		DIN 18948:12-2018
Building material class	A1 (non-inflammable)		DIN EN 13501-1:2010-01
Fire resistance (planked on both sides)	EI45: Partition wall consisting of wooden post-and-beam structure 60 × 60 mm, with wood fibre insulation 60 mm and Lemix® 22 mm		DIN EN 1364-1:2015-09
	EI90: Partition wall consisting of wooden post-and-beam structure 60 × 80 mm, with wood fibre insulation 80 mm and Lemix® 22 mm		
	EI120: Partition wall consisting of wooden post-and-beam structure 60 × 80 mm, with wood fibre insulation 80 mm and double-layered Lemix® 16 mm		
Fire resistance (planked on one side)	F30: double-layered Lemix® 16 mm		MFPA Leipzig GS 3.2/18-282-1
Evaluated Sound Insulation Factor	R _w 52 dB: Partition wall consisting of wooden post-and-beam structure 60 × 80 mm, with wood fibre insulation 80 mm and Lemix® 22 mm		DIN EN ISO 10140-2:2010-12
	R _w 56 dB: Partition wall consisting of wooden post-and-beam structure 60 × 80 mm, with wood fibre insulation 80 mm and double-layered Lemix® 16 mm		
Seal of quality	natureplus®		
Quality Control	In-plant production control		DIN 18942-100:12-2018

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Hart Keramik AG
Am Bergwerk 12
95706 Schirnding
Germany

Fon: +49 9233 7714-0
Fax: +49 9233 7714-14
office@lemix.eu
www.lemix.eu

Lemix®

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