

TECHNICAL DATA SHEET

EGGER Thin-MDF HD E1 



Recipe: 635

Application: General purpose boards for dry conditions aswell as a special highly compacted board for lacquered high-end surfaces of sandwich elements.

Board type in line with EN 622-5

Mechanical properties Board mean values	Unit	Value
Board thickness	[mm]	> 2.5 – 5.0
Density	[kg/m ³]	Plant specific
Internal Bond strength EN 319	[N/mm ²]	≥ 1.8
Bending strength EN 310	[N/mm ²]	≥ 23
Modulus of elasticity EN 310	[N/mm ²]	≥ 2700
Moisture content *1 EN 322	[%]	5-9
Formaldehyde content *2 EN 120	[mg/100g]	E1

General Tolerances	Unit	Value
Board thickness	[mm]	> 2.5 – 5.0
Length and width tolerance EN 324	[mm]	± 3.0
Squareness EN 324	[mm/m]	≤ 1.0
Edge straightness tolerance EN 324	[mm/m]	≤ 1.5
Thickness tolerance EN 324 sanded boards unsanded boards one-sided sanded boards	[mm]	± 0.10 ± 0.20 ± 0.15
Tolerance on the mean density within a board EN 323	[%]	± 10.0

Building physical properties	Unit	Value
Board thickness	[mm]	> 2.5 – 5.0
Fire behaviour category		
EN 13986 (< 9mm)	[mm]	Class E
Water vapour diffusion resistance value		
		μ moist μ dry
Mean density 600 kg/m ³		15 20
Mean density 900 kg/m ³		20 30
Thermal conductivity EN 13986		
Mean density 600 kg/m ³	W/(m*K)	0.1
Mean density 900 kg/m ³		0.14
Air sound insulation EN 13986		
EN 13986		$R = 13 \times \lg(m_A) + 14$ (m_A = board surface weight kg/m ²)
Sound absorption EN 13986		
Frequency range		0.10
250 Hz to 500 Hz		0.20
1000 Hz to 2000 Hz		
Biological durability EN 13986		
EN 335-3		Hazard category 1 (no earth contact , dry 20°C/65% relative humidity)
PCP content EN 13986		
EN 13986	[ppm]	< 5

***1 On delivery**

***2 Formaldehyde content:**

According to the “Regulation on the Prohibition of Chemicals (ChemVerbotsV)” annex to § 1, clause 3 from 14th October, 1993 in connection with the publication of the BGA in the federal health sheet 10/91 (s. 487-489) about “testing method for particleboard”, uncoated fibreboard must not exceed a perforator limit value EN 120 (photometrical - EN 120) of 8 mg HCHO/100g over-dry board at moisture content of 6.5 %. The flexible half-years mean value is max. 7 mg HCHO/100g over-dry board.

Provisional note:

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