

TECHNICAL DATA SHEET

Thin MDF-HD E1 CE

Recipe: 635

Application: Substrate for veneered or foiled furniture components



Board type in line with EN 312-2

Mechanical properties Board mean values	Unit	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]	≥ 25
Modulus of elasticity EN 310	[N/mm ²]	≥ 3000
Moisture content *1 EN 322	[%]	5-9
Formaldehyde content *2 EN 120	[mg/100g]	E1

General Tolerances	Unit	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	Board thickness
	[mm]	> 2,5 – 5,0
Water vapour diffusion resistance value		
Mean density 600 kg/m ³		μ moist μ dry
Mean density 900 kg/m ³		15 20
		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		
250 Hz to 500 Hz		0,10
1000 Hz to 2000 Hz		0,20
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 particleboard 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. 6,5 mg HCHO/100g over-dry board.

Provisional note:

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