

TECHNICAL DATA SHEET

EGGER Thinchipboard E1 P2

Recipe: 005

Application: Base particle board for interior fitments (including furniture) for use in dry conditions.

EGGER Thinchipboard E1 ASY P2

Recipe: 006

Application: Wood-core plywood production (blockboard decks) for dry conditions



Board type in line with EN 312-2

Mechanical properties Board mean values	Unit	Board thickness		
	[mm]	2.8 – 4.0	> 4.0 – 6.0	> 6.0 – 7.9
Density	[kg/m ³]	plant specific		
Internal Bond strength EN 319	[N/mm ²]	≥ 0.7	≥ 0.6	≥ 0.55
Bending strength EN 310	[N/mm ²]	≥ 18	≥ 18	≥ 16
Modulus of elasticity EN 310	[N/mm ²]	≥ 2000	≥ 2000	≥ 2000
Moisture content *1 EN 322	[%]	5-9		
Formaldehyde content ** EN 120	[mg/100g]	E1		

General Tolerances	Unit	Board thickness		
	[mm]	2.8 – 4.0	> 4.0 – 6.0	> 6.0 – 7.9
Length and width tolerance EN 324	[mm]	±2.0		
Squareness EN 324	[mm/m]	±1.5		
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]	2.8 – 4.0	> 4.0 – 6.0	> 6.0 – 7.9
Fire behaviour category				
In line with EN13986		Class E		
Water vapour diffusion resistance value				
		μ moist	μ dry	
Mean density 600 kg/m ³		15	50	
Mean density 900 kg/m ³		20	50	
Thermal conductivity EN 13986				
Mean density 600 kg/m ³	W/(m*K)	0.12		
Mean density 900 kg/m ³		0.18		
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		0.25		
1000 Hz to 2000 Hz				
Biological durability EN 13986				
EN 335-3		Hazard category 1 (no earth contact , dry 20°/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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