

TECHNICAL DATA SHEET

EGGER Thinchipboard E1 BESCH P2 CE

Recipe 172

Application: Base particle board for coating with impregnated papers, laminates and veneers.

EGGER Thinchipboard E1 RAL P2 CE

Recipe 173

Application: Internal door blanks for dry conditions



Board type in line with EN 312-2

Mechanical properties Board mean values	Unit	Recipe 172	Recipe 173
Board thickness	[mm]	2.8 – 4.0	3.0 – 3.1
Density	[kg/m ³]	Plant specific	
Internal Bond strength EN 319	[N/mm ²]	≥ 1.0	≥ 1.1
Bending strength EN 310	[N/mm ²]	≥ 18	≥ 20
Modulus of elasticity EN 310	[N/mm ²]	≥ 2200	≥ 2400
Moisture content *1 EN 322	[%]	5-9	
Formaldehyde content *2 EN 120	[mg/100g]	E1	

General Tolerances	Unit	Board thickness
	[mm]	2.8 – 4.0
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
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		
250 Hz to 500 Hz		0.10
1000 Hz to 2000 Hz		0.25
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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