



PRODUCT DATA SHEET

EGGER | EUROSPAN® E1 P5/CTB-H CE

Recipe 210



Application: **Certified loadbearing board for use in humid conditions.**

Board type meets the EN 312 type 5 standard

Mechanical properties Board mean values	Unit	Board thicknesses			
		>6-13	>13-20	>20-25	>25-32
	[mm]	>6-13	>13-20	>20-25	>25-32
Density	[kg/m ³]	specific for the plant			
Internal Bond strength EN 319	[N/mm ²]	0.75	0.65	0.60	0.55
Bending strength EN 310	[N/mm ²]	17	17	16	15
Modulus of elasticity EN 310	[N/mm ²]	2600	2500	2500	2400
Surface soundness EN 311	[N/mm ²]	1.0			
Swelling in thickness, 24 h EN 317	[%]	10	9	9	8
Internal bond after cyclic test EN 321	[N/mm ²]	>0.25	>0.20	>0.20	>0.17
Swelling in thickness after cyclic test EN 321	[%]	<12	<12	<11	<10
Moisture content *1 EN 322	[%]	5-7			
Formaldehyde content *2 EN 120	[mg/100g]	E1			

General tolerances	Unit	Board thicknesses			
		>6-13	>13-20	>20-25	>25-32
	[mm]	>6-13	>13-20	>20-25	>25-32
Tolerance on the mean density within a board EN 323	[%]	±10.0			
Thickness tolerance EN 324 Sanded boards	[mm]	±0.3			
Length and width tolerance EN 324	[mm]	±2.0			
Edge straightness tolerance EN 324	[mm/m]	±1.5			
Squareness EN 324	[mm/m]	≤1.0			

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Building physical properties	Unit	Board thicknesses			
	[mm]	>6-13	>13-20	>20-25	>25-32
Fire behaviour category					
Board thickness ≥ 9 mm in line with EN 13 986 and density ≥ 600 kg/m ³		D - s2, d0 D _{FL} - s1 (Category for floor coverings)			
Water vapour diffusion resistance value					
Mean density 600 kg/m ³ Mean density 900 kg/m ³		μ moist 15 20		μ dry 50 50	
Thermal conductivity EN 12524					
Mean density 600 kg/m ³ Mean density 900 kg/m ³	W/(m·K)		0.12 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 bis 500 Hz 1000 Hz bis 2000 Hz		0.10 0.25			
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) In line with EN 120**

Perforator limit value (photometric) of 8 mg HCHO/100g atro board with a material moisture of 6.5% may not be exceeded.

Sliding half-year mean value applicable to products in Germany. In accordance with the "Chemikalienverbotsverordnung – ChemVerbotsV –" [Order prohibiting certain chemicals] appendix to §1, section 3 of 14 October 1993 in conjunction with the publication by the BGA in the Federal Health Gazette (p487 – 489) 10/91 regarding "Testing procedures for wood-based materials", a perforator limit value (photometric) of 8mg HCHO/100g atro board at a humidity of 6.5% for non-laminated chipboards ought not to be exceeded. The sliding half-year mean value is a maximum of 6.5 mg HCHO/100g atro board.