



PRODUCT DATA SHEET

EGGER | **EUROSPAN® E1 P4/CTB-S** 

Recipe 002



Application: **Certified loadbearing boards for use in dry conditions.**

Board type meets the EN 312 type 4 standard

Mechanical properties Board mean values	Unit	Board thicknesses				
	[mm]	6-13	>13-20	>20-25	>25-32	>32-40
Density	[kg/m ³]	specific for the plant				
Internal Bond strength EN 319	[N/mm ²]	0.5	0.45	0.45	0.35	0.30
Bending strength EN 310	[N/mm ²]	16	15	14	12	11
Modulus of elasticity EN 310	[N/mm ²]	2600	2400	2300	2300	2300
Surface soundness EN 311	[N/mm ²]	1.0				
Swelling in thickness, 24 h EN 317	[%]	<16	<15	<15	<15	<14
Moisture content *1 EN 322	[%]	4-7	5-7	5-7	5-7	5-7
Formaldehyde content *2 EN 120	[mg/100g]	E1				

General tolerances	Unit	Board thicknesses				
	[mm]	6-13	>13-20	>20-25	>25-32	>32-40
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				

14.075.3-E-12/05 * 1/2

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Building physical properties	Unit	Board thicknesses				
		6-13	>13-20	>20-25	>25-32	>32-40
	[mm]	6-13	>13-20	>20-25	>25-32	>32-40
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 at 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 at 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 at board.