

TECHNICAL DATA SHEET

EUROSPAN® E1 P2 CE

Recipe: 1

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



Board type in line with 312-2

Mechanical properties according EN-standard	Unit	Board thickness				
	[mm]	6-13	>13-20	>20-25	>25-35	>32-40
Density	[kg/m ³]	Plant specific				
Internal Bond strength EN 319	[N/mm ²]	0.4	0.35	0.30	0.25	0.20
Bending strength EN 310	[N/mm ²]	11	11	10.5	9.5	8,5
Modulus of elasticity EN 310	[N/mm ²]	1800	1600	1500	1350	1200
Surface soundness EN 311	[N/mm ²]	0,8				
Moisture content *1 EN 322	[%]	5-7				
Formaldehyde content ** EN 120	[mg/100g]	E1				

General Tolerances	Unit	Board thickness				
	[mm]	6-30	>13-20	>20-25	>25-35	>32-40
Length and width tolerance EN 324	[mm]	±5.0				
Squareness EN 324	[mm/m]	≤2.0				
Edge straightness tolerance EN 324	[mm/m]	≤1.5				
Thickness tolerance EN 324 (Sanded boards)	[mm]	±0.3				
Tolerance on the mean density within a board EN 323	[%]	±10				

Building physical properties	Unit	Board thickness				
	[mm]	6-30	>13-20	>20-25	>25-35	>32-40
Fire behaviour category						
Board thickness ≥ 9 mm and density ≥ 600 kg/m ³ in line with EN13986		D-s2, d0 Dfl-s1 (for floorings)				
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		0.12				
Mean density 900 kg/m ³	W/(m*K)	0.18				
Air sound insulation EN 13986						
EN 13986		R = 13 x 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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