

Technical Datasheet

Eurospan EAC E1 P5/Protect CE

Recipe: 225

EAC (Egger Audit Controlled): Made from certified wood and controlled sources, suitable for FSC®-certified products.

Certification statement (claim) on the sales documents is only on customer's request and according to availability.

Board type P5 according to EN 312

Mechanical properties Board mean values	Unit	Board thickness				
		>6 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40
Density EN 323	[kg/m³]	specific to plant				
Internal bond EN 319	[N/mm²]	0.45	0.45	0.40	0.35	0.30
Bending strength EN 310	[N/mm²]	18.0	16.0	14.0	12.0	10.0
Bending modulus of elasticity EN 310	[N/mm²]	2,550	2,400	2,150	1,900	1,700
Thickness swelling 24 h EN 317	[%]	11.0	10.0	10.0	10.0	9.0
Swelling in thickness after cyclic test EN 321	[%]	12.00	12.00	11.00	10.00	9.00
Internal bond after cyclic test EN 321	[N/mm²]	0.25	0.22	0.20	0.17	0.15
Board moisture* EN 322	[%]	4 - 13				
Formaldehyde emission class(es)**		E1				

General tolerances	Unit	Board thickness				
		>6 - 13	>13 - 20	>20 - 25	>25 - 32	>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	[mm]	±0.3				
Tolerance on the mean density EN 323	[%]	±10				



Building physical properties	Unit	Board thickness				
		>6 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40
Fire behaviour category						
In line with EN13986 (9mm) and density 600 kg/m³		D-s2. d0				
Water vapour diffusion resistance value						
Mean bulk density 600 kg/m³ Mean bulk density 900 kg/m³		μ moist		μ dry		
		15		50		
		20		50		
Thermal conductivity EN 13986						
Mean bulk density 600 kg/m³ Mean bulk density 900 kg/m³	[W/(m*K)]	0.12 0.18				
Air sound insulation EN 13986						
EN 13986		R = 13 x lg(mA) + 14 (mA = board weight per unit area kg/m²)				
Sound absorption EN 13986						
Frequency range 250 Hz bis 500 Hz 1000 Hz bis 2000 Hz		0.1 0.25				
Biological durability EN 13986						
EN 335-3		Hazard class 1 (without earth contact, dry 20°C / 65% relative humidity)				
PCP content EN 13986						
EN 13986	[ppm]	<5				

* On delivery

** The product complies with the following emission class(es):

E1: According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" from October 1993 along with the "Regulation on the classification and external supervision of wood-based panels regarding formaldehyde emission (DIBt - Guideline 100)" dated June 1994, unfaced chipboard must not exceed a perforator value (photometric) of 8 mg HCHO/100g oven dry board at a moisture content of 6.5 %. The rolling average of EN ISO 12460-5 values over a period of year is max. 6.5 mg HCHO/100g panel mass.

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. We accept no liability for any mistakes, errors in standards or printing errors. In addition, technical modifications can result from the continuous further development, as well as from changes in standards and documents originating from statutory bodies. The contents of this technical leaflet should therefore not be considered as instructions for use or as legally binding.

