

Technical Datasheet

Eurospan E1E05 Hydro P3 CE EAC (Rez. 224)

Eurospan E1E05 Hydro P3 CE ECS (Rez. 223)

EAC (Egger Audit Controlled):

Made from certified wood and controlled sources, suitable for FSC®-certified products.

ECS (Egger Controlled Sources):

Made from certified wood and controlled sources, suitable for PEFC certified products.

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

Board type P3 according to EN 312

Mechanical properties Board mean values	Unit	Board thickness				
		>6 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40
	[mm]					
Density EN 323	[kg/m ³]	specific to plant				
Internal bond EN 319	[N/mm ²]	0.45	0.45	0.40	0.35	0.30
Bending strength EN 310	[N/mm ²]	15.0	14.0	12.0	11.0	9.0
Bending modulus of elasticity EN 310	[N/mm ²]	2050	1950	1850	1700	1550
Surface soundness EN 311	[N/mm ²]	0.95				
Thickness swelling 24 h EN 317	[%]	17.0	14.0	13.0	13.0	12.0
Swelling in thickness after cyclic test EN 321	[%]	14.00	13.00	12.00	12.00	11.00
Internal bond after cyclic test EN 321	[N/mm ²]	0.15	0.13	0.12	0.10	0.09
Board moisture* EN 322	[%]	4 - 13				
Formaldehyde emission class(es)**		E1E05				

General tolerances	Unit	Board thickness				
		>6 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40
	[mm]					
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/m ³				D-s2, d0		
Water vapour diffusion resistance value						
Mean bulk density 600 kg/m ³ Mean bulk density 900 kg/m ³			μ moist 15 20		μ dry 50 50	
Thermal conductivity EN 13986						
Mean bulk density 600 kg/m ³ Mean bulk density 900 kg/m ³	[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/m ²)		
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):

E1E05: According to the "Ordinance on bans and restrictions on the marketing and sale of certain substances, mixtures and products pursuant to the Chemicals Act" (ChemverbotsV), wood-based materials in Germany are subject to special requirements with regard to formaldehyde emission. Accordingly, coated and uncoated wood-based materials may not be placed on the market if the equilibrium concentration of formaldehyde in the air of a test chamber exceeds 0.1 ml/cbm (ppm). The reference method is the chamber method EN 16516. Tests according to chamber method EN 717-1 can still be carried out, but the test results must be multiplied by a factor of 2.

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.