Approved:: 08/04/2026

Technical Data Sheet

EGGER Raw Particleboards E1 P5 CE EAC (Rec.:225)

Board type P5 according to EN 312

Mechanical properties board mean values	Unit	Board thicknesses				
	[mm]	8 - 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	16	14	12	10
Bending modulus of elasticity EN 310	[N/mm²]	2550	2400	2150	1900	1700
Surface soundness EN 311	[N/mm²]	0.95				
Swelling in thickness, 24h EN 317	[%]	11	10	10	10	9
Internal Bond after boil test EN 1087-1	[N/mm²]	0.15	0.14	0.12	0.11	0.10
Board moisture* EN 322	[%]	4 - 13				
Formaldehyde emission class(es)		E1				

General tolerances	Unit	Board thicknesses				
	[mm]	8 - 13	> 13 - 20	> 20 -25	> 25 - 32	> 32 -40
Length and width tolerance EN 324-1	[mm]	± 5				
Thickness tolerance EN 324-1	[mm]	± 0,3				
Edge straightness tolerance EN 324-2	[mm/m]	≤ 1,5				
Squareness EN 324-2	[mm/m]	≤ 2				
Tolerance on the mean density EN 323	[%]	± 10				

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Building physical properties in line with EN 13986	Unit	Board thicknesses				
	[mm]	8 - 13	> 13 - 20	> 20 -25	> 25 - 32	> 32 -40
Reaction to fire		according table 8 EN 13986				
Water vapour permeability EN 12524						
wet dry Based on mean bulk density of 600kg/m3	[µ] [µ]	15 50				
Airborne sound insulation EN 140-3		NPD				
Sound absorption EN 354						
Frequency range 250 Hz to 500 Hz Frequency range 1000 Hz to 2000 Hz	[α]	0,10 0,25				
Thermal conductivity EN 12664						
Based on mean bulk density of 600kg/m3	[W/(m*K)]	0,12				
Biological durability EN 335	[Hazard class]	1				
Content of PCP	[ppm]	< 5				

*On delivery

More information can be found on our website: https://www.egger.com

Risk group EAC: (EGGER Audit Controlled) complies with Controlled Wood (see FSC STD – 40-005) and all applicable legal Timber regulations.

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

Provisional note

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