Approved:: 08/04/2026

Technical Data Sheet

EGGER Thin Raw Particleboards E1E05 TSCA P2 CE ECS (Rec.:005)

Board type P2 according to EN 312

Mechanical properties board mean values	Unit	Board thicknesses				
	[mm]	< 3	3 - 4	> 4 - 6	> 6 - 8	-
Density EN 323	[kg/m³]	specific to plant				
Internal bond EN 319	[N/mm²]	0.70	0.70	0.60	0.55	
Bending strength EN 310	[N/mm²]	13	13	12	11	
Bending modulus of elasticity EN 310	[N/mm²]	1800	1800	1950	1800	
Surface soundness EN 311	[N/mm²]	0.8				
Board moisture* EN 322	[%]	4 - 13				
Formaldehyde emission class(es)		E1 (E1E05), TSCA				

General tolerances	Unit	Board thicknesses				
	[mm]	< 3	3 - 4	> 4 - 6	> 6 - 8	-
Length and width tolerance EN 324-1	[mm]	± 5				
Thickness tolerance EN 324-1 sanded boards unsanded boards one-sided sanded boards	[mm]	 ± 0,10 ± 0,20 ± 0,15				
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]	< 3	3 - 4	> 4 - 6	> 6 - 8	-
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 ECS: (EGGER Controlled Sources) complies with Controlled Sources (see PEFC ST 2002:2020) 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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