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Approved:: 10/04/2026

Technical Data Sheet

EGGER Raw Particleboards E1E05 TSCA P2 TOP EAC

Particleboard with a particularly fine and homogeneous surface

(Rec.:185)

Board type P2 according to EN 312

Mechanical properties board mean values	Unit	Board thicknesses				
	[mm]	12 - 13	> 13 - 20	> 20 -25	> 25 - 32	> 32 -38
Density EN 323	[kg/m³]	specific to plant				
Internal bond EN 319	[N/mm²]	0,4	0,35	0,3	0,25	0,2
Bending strength EN 310	[N/mm²]	11	11	10,5	9,5	8,5
Bending modulus of elasticity EN 310	[N/mm²]	1800	1600	1500	1350	1200
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]	12 - 13	> 13 - 20	> 20 -25	> 25 - 32	> 32 -38
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				
Standard sanding		K120				

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Building physical properties in line with EN 13986	Unit	Board thicknesses				
	[mm]	12 - 13	> 13 - 20	> 20 -25	> 25 - 32	> 32 -38
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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