Approved:: 10/04/2026

Technical Data Sheet

EGGER Raw Particleboards E1E05 Hydro/MR ECS (Rec.:227)

Board type MR Worktop

Mechanical properties board mean values	Unit	Board thicknesses				
	[mm]	-	-	-	-	> 32 -40
Density EN 323	[kg/m³]	specific to plant				
Internal bond EN 319	[N/mm²]					0,30
Bending strength EN 310	[N/mm²]					9
Bending modulus of elasticity EN 310	[N/mm²]					1550
Surface soundness EN 311	[N/mm²]	0,95				
Swelling in thickness, 24h EN 317	[%]					12
Board moisture* EN 322	[%]	4 - 13				
Formaldehyde emission class(es)		E1 (E1E05)				

General tolerances	Unit	Board thicknesses				
	[mm]	-	-	-	-	> 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]	-	-	-	-	> 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 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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