

Technical data sheet

EGGER Lightweight Boards



Material description: The top layers of EGGER Lightweight Boards consist of 3mm or 4mm thin board or 8 mm particle-board that conforms to EN 312 board type P2 with raw, sanded surface or EGGER decorative surface coating according to EN 14322. The hexagonal honeycomb core is bonded using a formaldehyde-free polyurethane adhesive system. The hexagonal honeycombs are made of 100% recycled paper.

EGGER Lightweight Boards with top layers of thin boards (3mm or 4mm)

Properties	Unit	Values		
Thickness of top layer	[mm]	3	4	
Board Thickness	[mm]	25	19	25
Density *	[kg/m³]	240	380	300
Internal bond EN 319 - Top layer to honeycomb - Top layer to frame of 10 und 38 mm - Top layer to frame of 65 mm	[N/mm²]		≥ 0.15 ≥ 0.8 ≥ 0.3	
Screw extraction resistance EN 320 - Postframe board with 3 mm top layer - Postframe board with 4 mm top layer each with 38 mm particle board frame	[N]		> 580	
Deflection DIN68874-1 after 28 days Test load 150 kg/m² Distance from axis 1.000 mm Without frame or edge	[mm]	-	-	≤ 12.0
Compression strength	[kg/cm²]		≥ 1.5	

* Density values are subject to production-related fluctuations and are to be understood as data with a tolerance of ± 10%.

EGGER Lightweight Boards with top layers of 8mm particle boards

Properties	Unit	Values	
Board thickness	[mm]	38	50
Density *	[kg/m³]	330	265
Internal bond EN 319 - Top layer to honeycomb - Top layer to frame of 10 and 38 mm - Top layer to frame of 65 mm	[N/mm²]	≥ 0,1 ≥ 0,8 ≥ 0,3	
Screw extraction resistance EN 320 - Full board with 8 mm top layer	[N]	> 570	
Deflection DIN 68874-1 after 28 days Test load 150 kg/m² Distance from axis 1.000 mm Without frame or edge	[mm]	≤ 4.0	≤ 3.0
Soundproofing coefficient R'w	[dB]	28	26.5
Compression strength	[kg/cm²]	≥ 1.5	
Fire behavior category EN 13501-1		D-s1, d0	

* Density values are subject to production-related fluctuations and are to be understood as data with a tolerance of ± 10%.

General Tolerances

Properties	Unit	Board thickness
Thickness tolerance EN 324 Related to nominal measurement	[mm]	± 0.3
Length and width tolerances EN 324 - Full board - Cut boards with frames	[mm]	± 5.0 ±2.0
Curvature EN 14322 - Full board - Cut boards with frames	[mm/m]	≤2.0 ≤2.0
Squareness EN 324 - Full board - Cut board with frames	[mm/m]	≤2.0 ≤2.0
Edge straightness EN 324 - Full board - Cut boards with frames	[mm/m]	± 1.5 ± 1.5
Edge splinters EN 14323 - Full board - Cut boards with frames	[mm]	≤10.0 ≤ 3.0
Limit deviation Density, average value EN 323	[%]	± 10
Formaldehyde emission class**		E1E05
Temperature resistance	[°C]	≤ 80

**Compliant with Annex XVII to REACH Regulation (EC) No 1907/2006, Entry 77

Provisional note:

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