Quality Management ISO 9001:2008

Coding: TDGREL48mmEN
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Technical data sheet

Egger Eurolight

Area of application: Furniture construction, interior fittings, postforming elements, door construction

The surface layers of Eurolight boards consist of high-quality 4 mm thin chipboard or 8 mm chipboard that conforms to EN 312 board type P2 with raw, sanded surface or high-quality Eurodekor coating to EN 14322. Bonding with a hexagonal honeycomb core takes place using a high-quality formaldehyde-free polyurethane adhesive system. The hexagonal honeycombs are made from 100% recycled paper.

Eurolight with 4 mm surface layer Properties	Unit	Board Thickness	
	[mm]	19mm	25mm
Density	[kg/m³]	380	300
Internal bond EN 319 - Surface to honeycomb - Surface layer to frame of 10 und 38 mm - Surface layer to frame of 65 mm	[N/mm²]	≥ 0.15 ≥ 0.8 ≥ 0.3	
Screw extraction resistance EN 320 - Postframe board with 4 mm - Surface layer with 38 mm chipboard frame (vertically)	[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	

Eurolight with 8 mm surface layer **Properties**	**Unit**	**Board thickness**		
	[mm]	38 mm	50 mm	60 mm
Density	[kg/m³]	330	265	230
Internal bond EN 319 **- Surface layer to honeycomb** **- Surface layer to frame of 10 and 38 mm** **- Surface layer to frame of 65 mm**	[N/cm²]	≥ 10 ≥ 80 ≥ 30		
Screw extraction resistance EN 320 - Full board with 8 mm surface laser	[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	≤ 2.0
Soundproofing coefficient R'w	[dB]	28	26.5	25.5
Compression strength	[kg/cm²]	≤ 1.5		
Fire behavior category EN 13501-1		D-s1, d0		

General Tolerances	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 content EN 120	[mg/100g]	E1*
Temperature resistance	[°C]	≤80° C

* Formaldehyde content (surface layer) E1:
According to the thresholds of the Chemicals Regulation of October 1993 in relation with the DiBt Directive regarding the classification and monitoring of wood-based boards regarding formaldehyde emissions of June 1994 (Germany), and the Formaldehyde Regulation of 1990 (Austria), uncoated chipboards may not exceed a formaldehyde content corresponding to, according to the Perforator method DIN EN 120 (photometric), 8 mg HCHO/100g dry board at a material moisture of 6.5%. The moving six-monthly average is max. 6.5 mg HCHO/100g dry board. These thresholds correspond to the emissions class E1.