

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.

Properties: Eurolight with 4 mm surface layer	Unit	Board Thickness	
Board Thickness	[mm]	19mm	25mm
Density	[kg/m ³]	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/mm ²]		≥ 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/m ² Distance from axis 1.000 mm Without frame or edge	[mm]	- -	≤ 12.0
Compression strength	[kg/cm ²]		≥ 1.5

Properties: Eurolight with 8 mm surface layer	Unit	Board thickness	
Board thickness	[mm]	38 mm	50 mm
Density	[kg/m ³]	330	265
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/cm ²]		≥ 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/m ² 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/cm ²]		≥ 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 717-1	[ppm]	E1E05*
Temperature resistance	[°C]	≤ 80° C

* **Formaldehyde content (surface layer) E1E05:**

According to the "Ordinance on bans and restrictions on the marketing and sale of certain substances, mixtures and products pursuant to the Chemicals Act" (ChemverbotsV), wood-based materials in Germany are subject to special requirements with regard to formaldehyde emission. Accordingly, coated and uncoated wood-based materials may not be placed on the market if the equilibrium concentration of formaldehyde in the air of a test chamber exceeds 0.1 ml/cbm (ppm). The reference method is the chamber method EN 16516. Tests according to chamber method EN 717-1 can still be carried out, but the test results must be multiplied by a factor of 2.

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. We accept no liability for any mistakes, errors in standards or printing errors. In addition, technical modifications can result from the continuous further development, as well as from changes in standards and documents originating from statutory bodies. The contents of this technical leaflet should therefore not be considered as instructions for use or as legally binding.

