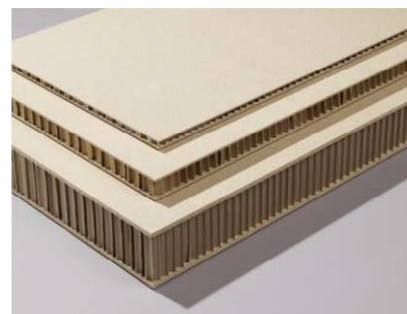


TECHNICAL DATA SHEET

EGGER EUROLIGHT

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

The surface layers of EGGER EUROLIGHT® consist of high-quality 3 or 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 8 mm surface layer Properties	Unit	Board thickness		
		38 mm	50 mm	60 mm
	[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 und 38 mm - Surface layer to frame of 65 mm	[N/cm²]		≥ 10 ≥ 80 ≥ 30	
Screw extraction resistance EN320 Full board with 8 mm surface layer	[N]		> 570	
Deflection DIN 68874-1 After 28 days - Test load 150 kg/m² Distance from axis 1000 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 behaviour category EN 13501-1			D-s1, d0	

EUROLIGHT® with 4 mm surface layer Properties	Unit	Board Thickness								
		16mm	19mm	22mm	25mm	28mm	30mm	38mm	40 mm	50mm
	[mm]									
Density	[kg/m³]	440	380	330	300	270	250	200	195	160
Internal bond EN 319 - Surface layer 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 EN320 - Postframe board with 3 and 4 mm surface layer with 38 mm chipboard frame (vertically)	[N]	> 580								
Deflection DIN 68874-1 After 28 days - Test load 150 kg/m2 Distance from axis 1000 mm Without Frame or edge	[mm]	-	-	-	≤ 12.0	≤ 10.0	≤ 9.0	≤ 7.0	≤ 5.0	≤ 3.0
Compression strength	[kg/cm²]	≤ 1.5								

EUROLIGHT® with 3 mm surface layer Properties	Unit	Board thickness								
		16mm	19mm	22mm	25mm	28mm	30mm	38mm	40 mm	50mm
	[mm]									
Density	[kg/m³]	340	290	260	240	210	200	160	155	130
Internal bond EN 319 - Surface layer 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 EN320 - Postframe board with 3 and 4 mm surface layer with 38 mm chipboard frame (vertically)	[N]	> 580								
Deflection DIN 68874-1 After 28 days - Test load 150 kg/m2 Distance from axis 1000 mm Without Frame or edge	[mm]	-	-	-	≤ 14.0	≤ 11.0	-	-	-	≤ 7.0
Compression strength	[kg/cm²]	≤ 1.5								

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 boards 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

*1 On delivery

*2 Formaldehyde content (surface layer) E1:

According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" annex to § 1, clause 3 from 14th October, 1993 in connection with the publication of the BGA in the federal health sheet 10/91 (s. 487-489) about "testing method for particleboard", uncoated particleboard must not exceed a perforator limit value EN 120 (photometrical - EN 120) of 8 mg HCHO/100g over-dry board at moisture content of 6,5 %. The flexible half-years mean value is max. 6,5 mg HCHO/100g over-dry board.

*3 Formaldehyde content (surface layer) E1 EPF-S CARB 2:

- 2:1 According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" annex to § 1, clause 3 from 14th October, 1993 in connection with the publication of the BGA in the federal health sheet 10/91 (s. 487-489) about "testing method for particleboard", uncoated particleboard must not exceed a perforator limit value EN 120 (photometrical - EN 120) of 8 mg HCHO/100g over-dry board at moisture content of 6,5 %. The flexible half-years mean value is max. 6,5 mg HCHO/100g over-dry board.
- 2:2 According to the EPF (European Panel Federation) uncoated particleboard with reduced formaldehyde release must not exceed perforator limit value (photometrical - EN 120) of 4 mg HCHO/100g over-dry board at moisture content of 6,5 %.
- 2:3 According to the California Air Resources Board (CARB) regulation CCR-17-93120.2(a) - Phase 2.
- 2:4 According to 2:2 and 2:3 the raw particleboard corresponds to the IKEA formaldehyde specification IOS MAT 0003, version AA-10899-9.
- 2:5 Coated particleboard with reduced formaldehyde release – perforator limit value (photometrical - EN 120) of 5,0 mg/100g over-dry board at moisture content of 6,5 %.

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.

Environment & Sustainability:

EPDs (Environmental Product Declarations) encompass all the environmental information about a product in one document.

→ [EPD EUROLIGHT® Boards \(PDF\)](#) or www.egger.com/downloads