

# TECHNICAL DATA SHEET

## EGGER OSB COMBILINE

Application: High-duty load bearing composite board made of thin MDF surface and OSB core.  
 On the smooth surface direct application of Melamine decor, veneers, foils and lacquering systems for use in i.e. furniture, shelving, floor constructions.



### Board type: Composite board moisture resistant – low formaldehyde emission ULEF (ultra low emission)

Mechanical properties Board mean values	Unit	Board thickness		
	[mm]	19	22	25
Density	[kg/m³]	~ 700		
Internal Bond strength EN 319	[N/mm²]	≥0,55	≥0,50	≥0,50
Bending strength major axis EN 310	[N/mm²]	≥40	≥37	≥37
Bending strength EN 310	[N/mm²]	≥35	≥32	≥32
Modulus of elasticity major axis EN 310 raw	[N/mm²]	≥4800	≥4500	≥4500
melamine faced		≥5000	≥5000	≥5000
Modulus of elasticity EN 310 raw	[N/mm²]	≥3700		
melamine faced		≥4000		
Swelling in thickness 24h EN 317	[%]	12		
Surface soundness EN 311	[N/mm²]	≥1,0		
Screw holding Face	[N]	≥1500		
Edge	[N]	≥1000		
Tolerance on the mean density within a board EN 323	[%]	±10		
Moisture content *1 EN 322	[%]	5 - 12		
Formaldehyde content *2 EN 120 Surface layer Thin-MDF Middle layer OSB	[mg/100g]	CARB 2 EO formaldehyde-free adhesives		
Formaldehyde content *2 EN 717-1 chamber test raw	[ppm]	< 0,05 < 0,03		

General Tolerances	Unit	Board thickness		
		19	22	25
Length tolerance EN 324	[mm]	±3,0		
Width tolerance EN 324	[mm]	±3,0		
Squareness EN 324	[N/mm <sup>2</sup> ]	≤2,0		
Edge straightness tolerance EN 324	[mm/m]	±1,5		
Thickness tolerance EN 324	[mm]	±0,3		
Warping	[mm/m]	≤1,5		

\*1 On delivery

\*2 Formaldehyde content:

According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" annex to § 1, clause 3 from 14<sup>th</sup> 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.

General Details:

By application of Melamine decor with very flat surface structure like SM, ST9, etc. it can come to slight discomposure of the surface structure according to the exposure to light, which production-related can not be excluded.

Provisional note:

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