

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/m ³] | ~ 700 | | |
| Internal Bond strength EN 319 | [N/mm ²] | ≥0,55 | ≥0,50 | ≥0,50 |
| Bending strength major axis EN 310 | [N/mm ²] | ≥40 | ≥37 | ≥37 |
| Bending strength EN 310 | [N/mm ²] | ≥35 | ≥32 | ≥32 |
| Modulus of elasticity major axis EN 310 raw | [N/mm ²] | ≥4800 | ≥4500 | ≥4500 |
| melamine faced | | ≥5000 | ≥5000 | ≥5000 |
| Modulus of elasticity EN 310 raw | [N/mm ²] | ≥3700 | | |
| melamine faced | | ≥4000 | | |
| Swelling in thickness 24h EN 317 | [%] | 12 | | |
| Surface soundness EN 311 | [N/mm ²] | ≥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 ²] | ≤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 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.

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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