



Datasheet MDF 1,8-6 mm

DATE

16. januar 2025

PRODUCT

MDF E1E05 HD CE EAC) (Rec.:635)

Definition

EAC (Egger Audit Controlled): Made from certified wood and controlled sources, suitable for FSC®-certified products

Technical data

BOARD MEAN VALUES

| | UNIT | 1,8 – 2,5 | >2,5 - 4 | >4 - 6 |
|--------------------------------------|----------------------|-----------|----------|--------|
| Density EN 323 | [kg/m ³] | | | |
| Internal bond EN 319 | [N/mm ²] | 1,8 | 1,8 | 1,8 |
| Bending strength EN 310 | [N/mm ²] | 23,0 | 23,0 | 23,0 |
| Bending modulus of elasticity EN 310 | [N/mm ²] | 2.400 | 2.400 | 2.400 |
| Thickness swelling 24 h EN 317 | [%] | 35,0 | 35,0 | 35,0 |
| Board moisture* EN 322 | | | | |
| Formaldehyde emission class(es)** | | | | |

GENERAL TOLERANCES

| | UNIT | BOARD THICKNESS | | |
|--------------------------------------|--------|-----------------|----------|--------|
| | [mm] | 1,8 – 2,5 | >2,5 - 4 | >4 - 6 |
| Length and width tolerance EN 324 | [mm] | ±5,0 | | |
| Squareness EN 324-2 | [mm/m] | ≤ 2 | | |
| Edge straightness tolerance EN 324-2 | [mm/m] | ≤ 1,5 | | |
| Thickness tolerance EN 324-1 | [mm] | ± 0,10 | ± 0,20 | ± 0,15 |
| Tolerance on the mean density EN 323 | [%] | ± 7 | | |

| BUILDING PHYSICAL PROPERTIES | UNIT | BOARD THICKNESS | | |
|--|-----------|--|----------|--------|
| | | 1,8 – 2,5 | >2,5 - 4 | >4 - 6 |
| Reaction to fire | | according table 8 EN 13986 | | |
| Water vapour diffusion resistance value | | | | |
| Mean bulk density 600 kg/m ³ Mean bulk density 800 kg/m ³ | | μ moist 12 20 | | |
| Thermal conductivity EN 13986 | | | | |
| Mean bulk density 600 kg/m ³ Mean bulk density 800 kg/m ³ | [W/(m*K)] | 0.10 0.14 | | |
| Thermal conductivity EN 12664 | | | | |
| Based on mean bulk density of 600kg/m ³ | [W/(m*K)] | 0,10 | | |
| Air sound insulation EN 140-3 | | R = 13 x lg(mA) + 14 (mA = board weight per unit area kg/m ²) | | |
| Sound absorption EN 354 | | | | |
| Frequency range 250 Hz bis 500 Hz 1000 Hz bis 2000 Hz | [α] | 0,1 0,2 | | |
| Biological durability EN 335 | | Hazard class 1 (without earth contact, dry 20°C / 65% relative humidity) | | |
| PCP content EN 13986 | [ppm] | <5 | | |

*On delivery

**The product complies with the following emission class(es):

These wood-based panels are

- If the name contains “E1”: compliant with class E1 according EN 13986
- If the name contains “E1E05”: additional compliant with German ChemVerbotsVO.
- If the name contains “CE”: in accordance with regulation (EU) No 305/2011 (CE) and as it has effect in the United Kingdom in respect of Great Britain (UKCA), under the sole responsibility of the manufacturer identified above.
- If the name contains “TSCA”: compliant with CARB regulation CCR-17-93120.2(a) Phase 2, US EPA TSCA TITLE VI certified / certifié conformément au titre VI de la TSCA
- If the name contains “F*****”: compliant with the Japanese standard JIS A 5905.

Risk group EAC: (EGGER Audit Controlled) complies with Controlled Wood (see FSC STD – 40-005) and all applicable legal Timber regulations.

Certification statement (claim) on the sales documents is only on customer's request and according to availability.

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