

## Technical Data Sheet

### MDF E1E05 TSCA MB CE EAC (Rec.:615)

#### Board type MDF according to EN 622-5

Mechanical properties board mean values	Unit	Board thicknesses			
	[mm]	> 6 - 9	> 9 - 12	> 12 - 19	> 19 - 30
Density EN 323	[kg/m <sup>3</sup> ]	specific to plant			
Internal bond EN 319	[N/mm <sup>2</sup> ]	1,1	0,9	0,8	0,7
Bending strength EN 310	[N/mm <sup>2</sup> ]	32	32	30	28
Bending modulus of elasticity EN 310	[N/mm <sup>2</sup> ]	3000	3000	2900	2800
Swelling in thickness, 24h EN 317	[%]	17	15	10	8
Board moisture* EN 322	[%]	4 - 8			
Formaldehyde emission class(es)**		E1 (E1E05), TSCA, CARB2			

General tolerances	Unit	Board thicknesses			
	[mm]	> 6 - 9	> 9 - 12	> 12 - 19	> 19 - 30
Length and width tolerance EN 324-1	[mm]	± 5			
Thickness tolerance EN 324-1 Board thickness ≤ 19 mm Board thickness >19mm	[mm]	± 0,2 ± 0,3			
Edge straightness tolerance EN 324-2	[mm/m]	1,5			
Squareness EN 324-2	[mm/m]	2			
Tolerance on the mean density EN 323	[%]	± 7			
Standard sanding		K180			
Grit content ISO 3340	[M%]	0,02			

Building physical properties in line with EN 13986	Unit	Board thicknesses			
	[mm]	> 6 - 9	> 9 - 12	> 12 - 19	> 19 - 30
<b>Reaction to fire</b>		according table 8 EN 13986			
<b>Water vapour permeability EN 12524</b>					
wet	[μ]	12			
dry	[μ]	20			
Based on mean bulk density of 600kg/m <sup>3</sup>					
<b>Airborne sound insulation EN 140-3</b>		R = 13 x lg(mA) + 14 (mA = board weight per unit area kg/m <sup>2</sup> )			
<b>Sound absorption EN 354</b>					
Frequency range 250 Hz to 500 Hz	[α]	0,10			
Frequency range 1000 Hz to 2000 Hz		0,20			
<b>Thermal conductivity EN 12664</b>					
Based on mean bulk density of 600kg/m <sup>3</sup>	[W/(m*K)]	0,10			
<b>Biological durability EN 335</b>	[Hazard class]	1			
<b>Content of PCP</b>	[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. DOP available on [www.egger.com](http://www.egger.com)
- 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.