Qualitätsmanagement ISO 9001 Approved:: 17/06/2023

Technical Data Sheet

MDF E1 TSCA MB CE ECS (Rec.:605)

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/m³]	specific to plant				
Internal bond EN 319	[N/mm²]	1,1	0,9	0,8	0,7	
Bending strength EN 310	[N/mm²]	32	32	30	28	
Bending modulus of elasticity EN 310	[N/mm²]	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, 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		K150				
Grit content ISO 3340	[mg/kg]	-				

Building physical properties in line with EN 13986	Unit	Board thicknesses				
	[mm]	> 6 - 9	> 9 - 12	> 12 - 19	> 19 - 30	
Reaction to fire		according table 8 EN 13986				
Water vapour permeability EN 12524						
wet dry Based on mean bulk density of 600kg/m3	[µ] [µ]	12 20				
Airborne sound insulation EN 140-3		R = 13 x lg(mA) + 14 (mA = board weitght per unit area kg/m²)				
Sound absorption EN 354						
Frequency range 250 Hz to 500 Hz Frequency range 1000 Hz to 2000 Hz	[α]	0,10 0,20				
Thermal conductivity EN 12664						
Based on mean bulk density of 600kg/m3	[W/(m*K)]	0,10				
Biological durability EN 335	[Hazard class]	1				
Content of PCP	[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
- 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 ECS: (EGGER Controlled Sources) complies with Controlled Sources (see PEFC ST 2002:2020) 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

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