Approved:: 24/07/2025

Technical Data Sheet

EGGER Raw MDF ST E1 ELS (Rec.:520)

Board type MDF according to EN 622-5

Mechanical properties board mean values	Unit	Board thicknesses				
	[mm]	-	> 2,5 - 4	> 4 - 6	-	-
Density EN 323	[kg/m³]	specific to plant				
Internal bond EN 319	[N/mm²]		0,65	0,65		
Bending strength EN 310	[N/mm²]		23	23		
Bending modulus of elasticity EN 310	[N/mm²]		-	2700		
Swelling in thickness, 24h EN 317	[%]		35	30		
Board moisture* EN 322	[%]	4 - 11				
Formaldehyde emission class(es)**		E1				

General tolerances	Unit	Board thicknesses				
	[mm]	-	> 2,5 - 4	> 4 - 6	-	-
Length and width tolerance EN 324-1	[mm]	± 5				
Thickness tolerance EN 324-1	[mm]	± 0,2				
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		-				
Grit content ISO 3340	[M%]	-				

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Building physical properties in line with EN 13986	Unit	Board thicknesses				
	[mm]	-	> 2,5 - 4	> 4 - 6	-	-
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		NPD				
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)]	0,1				
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 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 5908:2022 solely after appropriate laminate covering of the EGGER Raw Particleboards.

Risk group ELS: (EGGER Legal Sources) complies with verified legal sources according ISO38200 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.