

PRODUCT DATA SHEET

EGGER OSB 3 TOP F**** MFN-1838

Recipe: 735, (sanded/unsanded)

Material description: OSB/3 board (according EN 300) for use for load bearing purposes under humid conditions. Total PMDI (formaldehyde free) glued,

Emission class F**** = low formaldehyde, MLIT Approval Number MFN-1838

Tests according valid EN-standards. Strength values are average values.

PLANT: WISMAR

Board type according EN 300

Mechanical properties	Standard	Unit	Requirement			
Board thickness		[mm]	6,0–10	>10-<18	18–25	>25–30
Density	EN 323	[kg/m ³]	≥630	≥620	≥600	≥600
Internal bond	EN 319	[N/mm ²]	≥0,34	≥0,32	≥0,30	≥0,28
Internal bond after cyclic test	EN 321	[N/mm ²]	≥0,18	≥0,15	≥0,13	≥0,11
Internal bond after boiling test	EN 300 AA	[N/mm ²]	≥0,15	≥0,13	≥0,12	≥0,10
Bending strength major axis	EN 310	[N/mm ²]	≥22	≥20	≥18	≥16
Bending strength after cyclic test major axis	EN 310	[N/mm ²]	≥9	≥8	≥7	≥6
Bending strength minor axis	EN 310	[N/mm ²]	≥11	≥10	≥9	≥8
Modulus of elasticity major axis	EN 310	[N/mm ²]	≥5000			
Modulus of elasticity minor axis	EN 310	[N/mm ²]	≥2000			
Swelling in thickness 24h	EN 317	[%]	≤15	≤10		
Moisture content *1	EN 322	[%]	5-12			
Sanding grade			grade 100			
Formaldehyde emission	JIS A 1460	[mg/l]	≤0,3 mg/l (average value) / ≤0,4 mg/l (maximum value)			

General tolerances	Standard	Unit	Requirement
Tolerance in length	EN 324-1	[mm]	±3,0
Tolerance in width	EN 324-1	[mm]	±3,0
Tolerance in thickness (sanded)	EN 324-1	[mm]	±0,3
Tolerance in thickness (unsanded)	EN 324-1	[mm]	±0,5
Squareness tolerance	EN 324-2	[mm/m]	≤2,0
Edge straightness tolerance	EN 324-2	[mm/m]	≤1,5

Building physical properties	Standard	Unit	Requirement
Thermal conductivity	EN 13986	[W/(m · K)]	0,13
Water vapour permeability (μ-value)	EN ISO 12572	-	200/150 (dry / humid)

*1) When dispatched.