

PRODUCT DATA SHEET

EGGER OSB 3 E0 C E

Recipe: 734, (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 - E1.

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
Density *1	EN 323	[kg/m ³]	600 600 600
Internal bond	EN 319	[N/mm ²]	≥0,34 ≥0,32 ≥0,30
Internal bond after cyclic test	EN 321	[N/mm ²]	≥0,18 ≥0,15 ≥0,13
Bending strength major axis	EN 310	[N/mm ²]	≥22 ≥20 ≥18
Bending strength after cyclic test major axis	EN 310	[N/mm ²]	≥9 ≥8 ≥7
Bending strength minor axis	EN 310	[N/mm ²]	≥11 ≥10 ≥9
Modulus of elasticity major axis	EN 310	[N/mm ²]	≥4000
Modulus of elasticity minor axis	EN 310	[N/mm ²]	≥1400
Swelling in thickness 24h	EN 317	[%]	≤15
Moisture content *2	EN 322	[%]	2-12
Sanding grade			grade 100
Formaldehyde content *3	EN 120	[mg/100g]	≤2,0

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 (un-sanded)	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
Class of reaction to fire	EN 13501-1		<9 mm: E / ≥9 mm: D-s2, d0
Thermal conductivity	EN 13986	[W/(m·K)]	0,13
Water vapour permeability (μ-value)	EN ISO 12572	-	200/150(dry/wet)

*1) The mean density is subject to a production technology related dispersion of ± 20 kg/m³.

*2) When dispatched

*3) Perforator value according EN 120 according "DIBt-recommendation 100" from June 1994 are the allowed values:
half year average value: 6,5mg HCHO/100g abs. dry board
single value: 8,0mg HCHO/100g abs. dry board