

PRODUCT DATA SHEET

EUROSTRAND® OSB/2 C E

Recipe: 700, (sanded/un-sanded)

Material description: OSB/2 board for use for general purposes under dry conditions according EN 300, 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-<12	12–<18	18-25
Density	EN 323	[kg/m³]	≥580	≥580	≥580	≥580
Internal bond	EN 319	[N/mm²]	≥0,34	≥0,32	≥0,32	≥0,30
Bending strength major axis	EN 310	[N/mm²]	≥22	≥20	≥20	≥18
Bending strength minor axis	EN 310	[N/mm²]	≥11	≥10	≥10	≥9
Modulus of elasticity major axis	EN 310	[N/mm²]	≥3500			
Modulus of elasticity minor axis	EN 310	[N/mm²]	≥1400			
Swelling in thickness 24h	EN 317	[%]	≤20			
Tolerance of the mean density	EN 323	[%]	±15			
Moisture content *1	EN 322	[%]	2-12			
Sanding grade			grade 100			
Formaldehyde content *2	EN 120	[mg/100g]	≤8,0			

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	-	<12 mm: E / ≥12 bis ≤25 mm: D-s1, d0
Thermal conductivity	EN 13986	[W/(m·K)]	0,13
Thickness of air layer of equivalent diffusibility	EN ISO 12572	m	≥2,0

*1) On delivery

*2) 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