

## PRODUCT DATA SHEET

### EGGER OSB 3 E0 C€

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
<b>Board thickness</b>		[mm]	6,0–10      >10-<18      18–25
<b>Density *1</b>	EN 323	[kg/m <sup>3</sup> ]	600      600      600
<b>Internal bond</b>	EN 319	[N/mm <sup>2</sup> ]	≥0,34      ≥0,32      ≥0,30
<b>Internal bond after cyclic test</b>	EN 321	[N/mm <sup>2</sup> ]	≥0,18      ≥0,15      ≥0,13
<b>Bending strength major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥22      ≥20      ≥18
<b>Bending strength after cyclic test major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥9      ≥8      ≥7
<b>Bending strength minor axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥11      ≥10      ≥9
<b>Modulus of elasticity major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥4500
<b>Modulus of elasticity minor axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥1800
<b>Swelling in thickness 24h</b>	EN 317	[%]	≤15
<b>Moisture content *2</b>	EN 322	[%]	2-12
<b>Sanding grade</b>			grade 100
<b>Formaldehyde content *3</b>	EN 120	[mg/100g]	≤2,0

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

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

\*1) The mean density is subject to a production technology related dispersion of ± 20 kg/m<sup>3</sup>.

\*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