

# PRODUCT DATA SHEET

## EGGER OSB 4 TOP PEFC C E

Recipe: 745, (sanded/un-sanded)

Material description: OSB/4 TOP board (according building regulations registration No.: Z-9.1-566 and EN 300 / EN 13986) for heavy duty load bearing purposes for use in 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 / Z-9.1-566 (DIBt)

Mechanical properties	Standard	Unit	Requirement				
<b>Board thickness</b>		[mm]	8,0–10	>10-<18	18–25	>25–30	>30–40
<b>Density</b>	EN 323	[kg/m³]	≥640	≥620	≥620	≥600	≥600
<b>Internal bond</b>	EN 319	[N/mm²]	≥0,50	≥0,45	≥0,40	≥0,35	≥0,30
<b>Internal bond after boiling test</b>	EN 300 AA	[N/mm²]	≥0,17	≥0,16	≥0,13	≥0,10	≥0,08
<b>Bending strength major axis</b>	EN 310	[N/mm²]	≥36	≥33	≥31	≥29	≥25
<b>Bending strength minor axis</b>	EN 310	[N/mm²]	≥23	≥20	≥18	≥16	≥15
<b>Modulus of elasticity major axis</b>	EN 310	[N/mm²]	≥5600	≥5300	≥5200	≥5000	≥4800
<b>Modulus of elasticity minor axis</b>	EN 310	[N/mm²]	≥2700	≥2500	≥2300	≥2100	≥1900
<b>Swelling in thickness 24h</b>	EN 317	[%]	≤12	≤10	≤10	≤10	≤10
<b>Moisture content *1</b>	EN 322	[%]	2-12				
<b>Sanding grade</b>			grade 100				
<b>Formaldehyde content *2</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 (unsanded)</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 (u-value)</b>	EN ISO 12572	-	200/200 (dry / humid)				

\*1) When dispatched

\*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