

# PRODUCT DATA SHEET

## EGGER OSB HDX PEFC CE

Recipe: 745, (sanded/un-sanded)

Material description: OSB/4 TOP board (according to EN 300/ EN 13986) for heavy duty load bearing purposes, in humid conditions. Total PMDI (formaldehyde free) glued, emission class – E1, tested according to the valid EN standards. Strength values are averaged.

PLANT: WISMAR

### OSB 4 - Board manufactured in accordance with EN 300

Mechanical properties	Standard	Unit	Requirement
<b>Board thickness</b>		[mm]	>25–30
<b>Density</b>	EN 323	[kg/m <sup>3</sup> ]	≥600
<b>Internal bond</b>	EN 319	[N/mm <sup>2</sup> ]	≥0,35
<b>Internal bond after boiling test</b>	EN 300 AA	[N/mm <sup>2</sup> ]	≥0,10
<b>Bending strength major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥29
<b>Bending strength minor axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥16
<b>Modulus of elasticity major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥5000
<b>Modulus of elasticity minor axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥2100
<b>Swelling in thickness 24h</b>	EN 317	[%]	≤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 (μ-value)</b>	EN ISO 12572	-	200/200 (dry / humid)

\*1) When dispatched

\*2) Perforator value according to EN 120

According to "DIBt-recommendation 100" from June 1994 the values following are allowed:

Half year average value: 6,5mg HCHO/100g abs. dry board

Single value: 8,0mg HCHO/100g abs. dry board