

Quality Management ISO 9001:2015

Coding: TDEBP745EN  
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## Technical data sheet

EGGER OSB HDX PEFC CE EAC  
 EGGER OSB 4 TOP PEFC CE EAC

Recipe: 745, (unsanded / sanded)

Material description: OSB/4 TOP board according to CE declaration of performance DOP-745 and EN 300 / EN 13986 for use for heavy-duty load-bearing purposes in humid conditions, completely formaldehyde-free glued with PMDI, emission class - E1 acc. to ChemVVO (DE).

Tests and classification according to valid EN-standards acc. to EN 13986:2004+A1:2015.



Plant: Wismar

### Board type according to EN 300 and CE DOP-745

Mechanical properties	Standard	Unit	Requirement
Board thicknesses	EN 322	[mm]	<b>30</b>
Density	EN 323	[kg/m³]	620
Internal bond	EN 319	[N/mm²]	0,35
Internal bond – boil test - option 2	EN 300	[N/mm²]	0,10
Bending strength – major axis	EN 310	[N/mm²]	29
Bending strength- minor axis	EN 310	[N/mm²]	16
Bending modulus of elasticity - major axis	EN 310	[N/mm²]	5000
Bending modulus of elasticity - minor axis	EN 310	[N/mm²]	2100
Thickness swelling 24 h EN 317	EN 317	[%]	≤10
Moisture content <sup>1)</sup>	EN 322	[%]	2 - 12
Formaldehyde emission	EN 717-1	ppm	≤ 0,03
Formaldehyde content <sup>2)</sup>	EN 12460-5	[mg/100g]	≤ 2,0

General tolerances	Standard	Unit	Requirement
Board thicknesses		[mm]	8 – 10    > 10 <18    18 - 25    > 25 - 30    >30 - 40
Tolerance length / width	EN 324-1	[mm]	± 3,0
Thickness tolerance – unsanded	EN 324-1	[mm]	± 0,5
Thickness tolerance - sanded	EN 324-1	[mm]	± 0,3
Sanding grid			grid 100
Edge straightness tolerance	EN 324-2	[mm/m]	≤ 1,5
Squareness tolerance	EN 324-2	[mm/m]	≤ 2,0
Tolerance on the mean density within a board	EN 323	[%]	± 15

1) Immediately tested; when dispatched 5 – 12 %

2) Perforator value according EN ISO12460-5 according EN 13986\_2004+A1:2015, Annex B:  
 half year average value: 6.5mg HCHO/100g abs. dry board  
 single value: 8.0 mg HCHO/100g abs. dry board

Design values / classifications	Standard	Unit	Requirement				
Board thicknesses		[mm]	8 – 10	> 10 <18	18 - 25	> 25 - 30	>30 - 40
Reaction to Fire	EN13501-1	[mm]	<9mm: class E / ≥ 9mm: class D-s2, d0				
Thermal conductivity	EN 13986	[W/(mK)]	0,13				
Water vapour permeability $\mu$ -value (dry cup / wet cup)	ISO 12572	-	200/150	200/200			
Air permeability (at 50 pa pressure difference)	EN 12114	[m <sup>3</sup> /m <sup>2</sup> h]	t ≥ 12 mm: 0.12				

Note:

Characteristic values for the static design of timber structures are available for OSB 4 TOP boards in the thickness range from 8 to 40 mm in the CE declaration of performance DOP-745.