

# Technical data sheet

## EGGER OSB 3 JAS TOP

Recipe: 805, (sanded/unsanded)

Material description: OSB 3 JAS TOP structural panel (JAS certified boards for Japan) for load bearing use under humid conditions, normal combustible. emission class F\*\*\*\*.

Total PMDI (formaldehyde free) bonding. Tests according valid JAS standard for Structural Panels, MAFF Notification No. 664, August 15, 2019.



Plant: Wismar

### Board type according to JAS Standard Structural Panels

Mechanical properties	Unit	Requirement						
Board thickness	[mm]	9,0	9,5	11,5	12,0	15,0	24,0	28,0
Class		class 4		class 3		class 2	class 1	
Density *1	[kg/m³]	630	630	620	620	610	600	600
Internal bond	[N/mm²]	≥0,30						
Bending strength dry major axis	[N/mm²]	≥26,62	≥23,89	≥27,79	≥25,52	≥24,61	≥12,25	≥9,00
Bending strength dry minor axis	[N/mm²]	≥7,86	≥7,06	≥8,52	≥7,83	≥7,40	≥3,66	≥2,69
Modulus of elasticity dry major axis	[N/mm²]	≥4705	≥4001	≥4511	≥3970	≥3920	≥2162	≥1362
Modulus of elasticity dry minor axis	[N/mm²]	≥1344	≥1143	≥1289	≥1134	≥1161	≥638	≥402
Bending strength wet major axis	[N/mm²]	≥13,31	≥11,94	≥14,08	≥12,93	≥12,41	≥6,13	≥4,5
Bending strength wet minor axis	[N/mm²]	≥4,23	≥3,8	≥4,08	≥3,74	≥3,70	≥1,87	≥1,38
Modulus of elasticity wet major axis	[N/mm²]	≥2016	≥1715	≥2255	≥1985	≥2033	≥1063	≥670
Modulus of elasticity wet minor axis	[N/mm²]	≥672	≥572	≥644	≥567	≥581	≥319	≥201
Delamination after 2h boil test		no delamination						
Nail withdrawal resistance	N	≥88						
Nail-shear-strength (max. strength divided by 4)	N	≥686 (≥2744)						
Swelling in thickness 72 h	[%]	≤24						
Moisture content*2	[%]	≤13						
Formaldehyd Emission	[mg/l]	≤0,3 mg/l (average value) / ≤0,4 mg/l (maximum single value)						

General tolerances	Unit	Requirement
Tolerance length	[mm]	+0 / -4
Tolerance width	[mm]	+0 / -4
Thickness tolerance – unsanded	[mm]	± 0,5
Squarness (difference of diagonals)		≤4,0

\*1) The mean density is subject to a production technology related dispersion of ± 20 kg/m³.

\*2) When dispatched