

PRODUCT DATA SHEET

EGGER OS´Brace™

Recipe: 738, (sanded/unsanded)

Material description: OSB/3 board (according EN 300) for use for load bearing purposes under humid conditions. The thickness of 6 mm is certified by UTS (University of Technology, Sydney) as “Structural Sheet Bracing Panel” under AS 1684 and AS 1720.1 in Australia. 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			
Board thickness		[mm]	6,0	>6,0-10	>10<18	18–25
Density	EN 323	[kg/m³]	≥600	≥600	≥600	≥600
Internal bond	EN 319	[N/mm²]	≥0,34	≥0,34	≥0,32	≥0,30
Internal bond after cycle test	EN 321	[N/mm²]	≥0,18	≥0,18	≥0,15	≥0,13
Bending strength major axis	EN 310	[N/mm²]	≥22	≥22	≥20	≥18
Bending strength after cycle test	EN 310	[N/mm²]	≥9	≥9	≥8	≥7
Bending strength minor axis	EN 310	[N/mm²]	≥11	≥11	≥10	≥9
Modulus of elasticity major axis	EN 310	[N/mm²]	≥4500			
Modulus of elasticity minor axis	EN 310	[N/mm²]	≥1800			
Swelling in thickness 24h	EN 317	[%]	≤15			
Moisture content *1	EN 322	[%]	2-12			
Sanding grade			grade 100			
Formaldehyde content *2	EN ISO 12460-5	[mg/100g]	≤8,0			

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

Building physical properties	Standard	Unit	Requirement			
Thermal conductivity	EN 13986	[W/(m·K)]	0,13			
Water vapour permeability (µ-value)	EN ISO 12572	-	200/150 (dry / humid)			
Approval	Australia, 6 mm		1. AS1684 – 1999 SAA National Timber Framing Code 2. AS1720.1 – 1997 SAA Timber Structures Code – Part 1 Design Methods UTS, 30.09.2005 (University of Technology, Sydney)			

*1) When dispatched

*2) Perforator value according EN ISO 12460-5 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