

# PRODUCT DATA SHEET

## EGGER OS<sup>®</sup>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			
<b>Board thickness</b>		[mm]	6,0	>6,0-10	>10<18	18–25
<b>Density</b>	EN 323	[kg/m <sup>3</sup> ]	≥600	≥600	≥600	≥600
<b>Internal bond</b>	EN 319	[N/mm <sup>2</sup> ]	≥0,34	≥0,34	≥0,32	≥0,30
<b>Internal bond after cycle test</b>	EN 321	[N/mm <sup>2</sup> ]	≥0,18	≥0,18	≥0,15	≥0,13
<b>Bending strength major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥22	≥22	≥20	≥18
<b>Bending strength after cycle test</b>	EN 310	[N/mm <sup>2</sup> ]	≥9	≥9	≥8	≥7
<b>Bending strength minor axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥11	≥11	≥10	≥9
<b>Modulus of elasticity major axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥4500			
<b>Modulus of elasticity minor axis</b>	EN 310	[N/mm <sup>2</sup> ]	≥1800			
<b>Swelling in thickness 24h</b>	EN 317	[%]	≤15			
<b>Moisture content *1</b>	EN 322	[%]	2-12			
<b>Sanding grade</b>			grade 100			
<b>Formaldehyde content *2</b>	EN 120	[mg/100g]	≤8,0			

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>Thermal conductivity</b>	EN 13986	[W/(m·K)]	0,13			
<b>Water vapour permeability (μ-value)</b>	EN ISO 12572	-	200/150 (dry / humid)			
<b>Approval</b>	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 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