

TECHNICAL DATA SHEET

LSB

LSB is the first panel of its kind. This is an engineered panel based on poplar wood. The core consists of oriented strands and faces of wood microparticles. The panel is bonded with high performance MDI glue without formaldehyde and resistant to humidity.

Characteristics:

- uniform colour
- surface hardness
- smooth, flat surface
- no added formaldehyde
- moisture proof
- low glue content
- lightweight
- mechanical performances
- easy to work and cut

Sizes (mm)

(Other sizes are available on request)

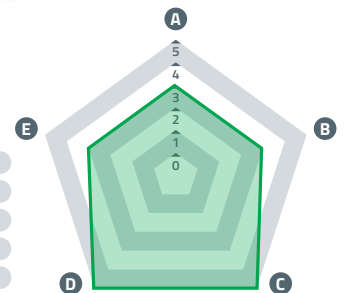
1250 x 3050 1250 x 2500 1250 x 2280
1250 x 2200

Thicknesses (mm)

(Other thicknesses are available on request)

40 23,5 18,5 18 16,5 10

A	STRENGTH
B	WEIGHT
C	SURFACE HARDNESS
D	SURFACE FLATNESS/HOMOGENEITY
E	SCREW-HOLDING



PROPERTY	STANDARD	UNIT OF MEASURE	THICKNESS (mm)				
			10	12	15	18	25
Density	EN323	Kg/m³ (+/- 5%)	580	580	580	580	580
Internal bond	EN 319	N/mm² (+/- 5%)	0,32	0,32	0,32	0,32	0,32
Longitudinal bending strength	EN 310	N/mm² (+/- 5%)	16	16	16	16	13
Transversal bending strength	EN 310	N/mm² (+/- 5%)	12	12	12	12	10
Longitudinal elasticity module	EN 310	N/mm² (+/- 5%)	3000	3000	3000	3000	2900
Transversal elasticity module	EN 310	N/mm² (+/- 5%)	1800	1800	1800	1800	1800
Screw-holding – faces	EN 320	N (+/- 10%)	1000				
Screw-holding – edges (≥ 15mm)	EN 320	N (+/- 10%)	800				
Swelling 24h	EN317	% (+/- 5pp)	10	10	10	10	10
Boil test	EN1087-1	N/mm² (+/- 5%)	0,18	0,18	0,18	0,18	0,18
Thermal conductivity	EN 12664	W/mK (+/- 5%)	0,1				
Moisture content	EN 322	%	5-12				
Fire resistance	EN 13501-1	thickness > 8mm	D-s2,d0				
TOLERANCES							
Thickness	EN 324-1	mm	sanded +/- 0,3; unsanded +/- 0,8				
Length/ Width	EN 324-1	mm	+/- 3,0				
Squareness	EN 324-2	mm/m	2				
Edge straightness	EN 324-2	mm/m	1,5				

FIELDS OF APPLICATION



CERTIFICATIONS/TEST REPORTS



The mark of responsible forestry
(on request)



(on request)

EXPOSURE CLASSIFICATION



Humid interior/
covered exterior

The data in this sheet show approximate values obtained from internal testing on normal production. It is the buyer's responsibility to determine whether the Bonzano products are suitable for the applications for which they are intended to be used and that the modes of transport and use comply with current regulations.