

## TECHNICAL DATA SHEET

# OSB 3

Bonzano OSB is the first poplar oriented strand panel in the world. The innovative production process allows for larger (up to 120 x 40 mm) and thinner (0,8 mm) strands to be obtained, compared to traditional OSB, guaranteeing a unique mechanical-weight performance ratio. The panel is bonded with high performance MDI glue without formaldehyde and resistant to humidity.

### Characteristics:

- light, uniform colour
- no added formaldehyde
- moisture proof
- lightweight
- mechanical performances
- easy to work and cut
- wide range of thicknesses and formats

### Sizes (mm)

(Other sizes are available on request)

1250 x 3000 1250 x 2500 1196 x 2800  
625 x 2500

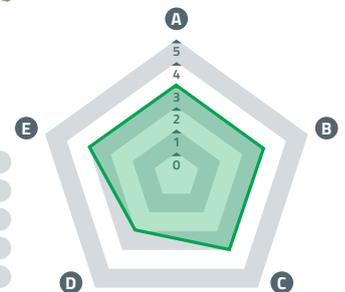
### Thicknesses (mm)

(Other thicknesses are available on request)

40 30 25\* 22\* 20 18\*  
15\* 12\* 9 6

\* Also available with Tongue & Groove

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



PROPERTY	STANDARD	UNIT OF MEASURE	THICKNESS (mm)			
			12	15	18	25
Density	EN323	Kg/m <sup>3</sup> (+/- 5%)	530	520	510	500
Internal bond	EN 319	N/mm <sup>2</sup> (+/- 5%)	0,32	0,32	0,3	0,3
Longitudinal bending strength	EN 310	N/mm <sup>2</sup> (+/- 5%)	20	20	18	18
Transversal bending strength	EN 310	N/mm <sup>2</sup> (+/- 5%)	10	10	9	9
Longitudinal elasticity module	EN 310	N/mm <sup>2</sup> (+/- 5%)	3500	3500	3500	3500
Transversal elasticity module	EN 310	N/mm <sup>2</sup> (+/- 5%)	1400	1400	1400	1400
Screw-holding – faces	EN 320	N (+/- 10%)	1000			
Screw-holding – edges (≥ 15mm)	EN 320	N (+/- 10%)	800			
Swelling 24h	EN317	% (+/- 5pp)	15	15	15	15
Boil test	EN1087-1	N/mm <sup>2</sup> (+/- 5%)	0,13	0,13	0,12	0,12
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			
<b>TOLERANCES</b>						
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



## EXPOSURE CLASSIFICATION



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.