



BISONBORD®

Panel Products

DATA SHEET | TECHNICAL DATA | BISONBORD MR

Date: October 2014

PROPERTY	TEST METHOD	UNITS	SABS EN 312 – 5: 2003	
THICKNESS		mm	12	16-18
Thickness Tolerance: Sanded (within and between boards)	EN 324-1	mm (max)	± 0.3	
Thickness Tolerance: Unsanded	EN 324-1	mm (max)	± 0.3	
Length & Width Tolerance	EN 324-1	mm/m (max)	± 5	
Edge Straightness Tolerance	EN 324-2	mm/m (max)	1.5	
Edge Squareness Tolerance	EN 324-2	mm/m (max)	2.0	
Moisture Content	EN 322	% (max)	5 to 13	
Density Variation within board	EN 323	% (max)	± 10	
Modulus of Rupture (MOR)	EN 310	MPa (min)	18	16
Modulus of Elasticity (MOE)	EN 310	MPa (min)	2550	2400
Internal Bond Strength	EN 319	MPa (min)	0.45	
Surface Soundness	EN 311	MPa (min)	0.8	
Thickness Swelling (24hr)	EN 317	% (max)	11	10
Internal Bond after cyclic test	EN 321	MPa (min)	0.25	0.22
Thickness Swelling after cyclic test	EN 321	%	12	
Formaldehyde Potential	EN 120	mg/100g	Either Class E1, Class E2 or Class E3	
Toluene Run Test	BS EN 382-1:1993	mm (min)	>280	
Fire Rating	SABS 0177	Class	Class 5	
NOTES:	CLASS E1 < 8mg/100g CLASS E2 < 30mg/100g CLASS E3 > 30mg/100g Application Type: P5 – Load-bearing boards for use in humid conditions			

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