



Date: October 2014

DATA SHEET | TECHNICAL DATA | BISONBORD MR

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 to + 1.7	
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	
Bending Strength (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 or Class E2	
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 Application Type: P5 – Load-bearing boards for use in humid conditions		* MOR = MODULUS OF RUPTURE ** MOE = MODULUS OF ELASTICITY	

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