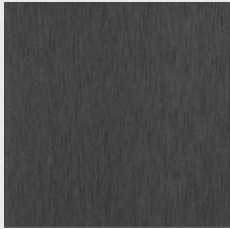


Ekodeck® Decking / Maxiboard

TECHNICAL SPECIFICATIONS

Colours











Greystone



Dark Brown

Decking Boards

COLOUR	SIZE	ITEM NO	PROFILE
 Greystone	180x35x2250mm	0372821	
 Dark Brown	180x35x2250mm	0372823	
 Greystone	180x35x2700mm	0372824	
 Dark Brown	180x35x2700mm	0372822	



TEST	STANDARD	RESULT
Structural Design: Concentrated Loads & Spans*	AS/NZS 1170.1:2002	Domestic and residential activities up to 1.8kN = Max. 750mm span (centre to centre).* Non-residential activities up to 2.7kN (but including residential stairs and landings) = Max. 700mm span (centre to centre)* Non-residential activities up to 3.6kN = Max. 650mm span (centre to centre)* Non-residential activities up to 4.5kN = Max. 600mm span (centre to centre)*
Weight	-	8.5kg/lm (23kg per 2.7m length)
Water Absorption	ASTM D570-98	1.2%
Accelerated Weathering	AS1580 Method 601.1	?E*ab: 1.3 (minor change in colour)
Slip Resistance	1. AS4586:2013 Oil-wet inclining platform method 2. AS4586-2013 Wet pendulum test method	1. R11 2. P5

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TECHNICAL SPECIFICATIONS

TEST	STANDARD	RESULT	
Luminance Reflectance Value (LRV)	AS 1428.1-2009 Appendix B (also compliant with AS/NZS 1428.4.1-2009)	Greystone	Dark Brown
		In Dry: 6.66	In Dry: 7.69
		In Wet: 4.44	In Wet: 5.79
Rot & Decay Resistance	In-ground accelerated field simulator test designed by the University of Melbourne	Mass loss Ekodeck: 0.23% Mass loss Radiata Pine: 3.42%	
Coefficient of Linear Thermal Expansion	ASTM D6341-16	3.83×10 ⁻⁵ cm/cm/°C	
Termite Resistance	Accelerated field simulator test designed by the University of Melbourne using subterranean termites (<i>Coptotermes acinaciformis</i>)	1.19g/cm ³	
Janka Hardness	ASTM ASTM D1037-12	10.5 (very hard)	
Charpy Unnotched Impact Strength	ASTM D6110-10	80 J/m C (Complete break)	
Deflection Temperature Under Load	ASTM D648-07 Method B	105 °C	
Burning Behaviour	AS/ISO 9239.1-2003	CHF value (non-directional): 4.1kW/m ² Smoke value (non-directional): 93%.min	
Fire Related Characteristics	AS/NZS 1530.3-1999	Ignition time: 7.10 min Flame propagation time: 111.4 sec Heat release integral: 110.5 kJ/m ² Smoke release, log d: -1.2488 Optical density, d: 0.0613 /metre Ignitability index: 13 Spread of flame index: 5 Heat evolved index: 4 Smoke developed index: 3	
Screw Withdrawal & Lateral Resistance Characteristics	ASTM D1761 10g 316 stainless steel	Withdrawal resistance: 106N Lateral resistance: 1434N	
Toxicity (ROHS: Elementary Analysis and Flame Retardants)	IEC 62321-5:2013, determination of Cadmium by ICP-OES	Cadium (Cd): Not detected	
	IEC 62321-5:201 3, determination of Lead by ICP-OES	Lead (Pb): 22	
	IEC 62321-4:201 3, determination of Mercury by ICP-OES	Mercury (Hg): Not detected	
	IEC 62321:2008, determination of Hexavalent Chromium by colourimetric method using UV-Vis	Hexavalent Chromium (CrVI): Not detected	
	IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS	Sum of PBBs: Not detected	

*See Engineering Evaluation Certificate for more information