Ekodeck® Decking / Classic

TECHNICAL SPECIFICATIONS

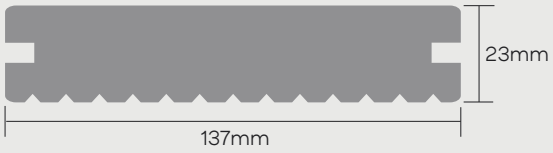
Colours

Greystone

Highland Oak

Decking Boards

COLOUR	SIZE	ITEM NO	PROFILE
Greystone	137×23×5400mm	0267428	
Highland Oak	137×23×5400mm	0267431	



TEST	STANDARD	RESULT
Structural Design: Concentrated Loads & Spans*	AS/NZS1170.1:2002	Domestic and residential activities up to 1.8kN = Max. 450mm span (centre to centre)* Non-residential activities up to 2.7kN (but including residential stairs and landings) = Max. 400mm span (centre to centre)*
Weight	-	4.03kg/m (21.8kg per 5.4m length)
Water Absorption	ASTM D570-98	0.51%
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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TEST	STANDARD	RESULT
Luminance Reflectance Value (LRV)	AS 1428.1-2009 Appendix B (also compliant with AS/NZS 1428.4.1-2009)	Greystone In Dry: 6.66 In Wet: 4.44
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 (Coptotermes acinaciformis)	1.19g/cm^3
Janka Hardness	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