Ekodeck® Decking / Designer Series

TECHNICAL SPECIFICATIONS

CodeMark Australia Certificate CM40388

CMI Certification

Colours

Alpine Ash

Ironwood

Backbeach

Leatherwood

Riverbank Red

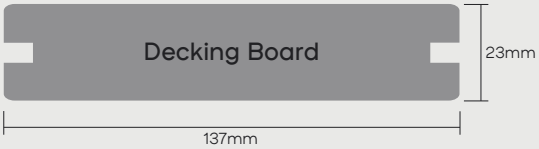
Estate Brown

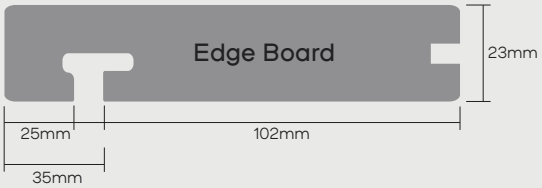
Decking Boards

COLOUR	SIZE	ITEM NO	PROFILE
Alpine Ash	137×23×5400mm	0109384	
Ironwood	137×23×5400mm	0109384	
Backbeach	137×23×5400mm	0109382	
Leatherwood	137×23×5400mm	0109382	
Riverbank Red	137×23×5400mm	0109383	
Estate Brown	137×23×5400mm	0109383	

Edge Boards

COLOUR	SIZE	ITEM NO	PROFILE
Alpine Ash	137×23×5400mm	0200710	
Ironwood	137×23×5400mm	0200713	
Backbeach	137×23×5400mm	0200711	
Leatherwood	137×23×5400mm	0200714	
Riverbank Red	137×23×5400mm	0200715	
Estate Brown	137×23×5400mm	0200712	





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TEST	STANDARD	RESULT
Structural Design: Concentrated Loads & Spans*	AS/NZS1170.0:2002	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	-	3.64kg/m (19.66kg per 5.4m length)
Water Absorption	ASTM D570-98	Mean: 1.43% Max: 1.57%
UV Resistance	ASTM G154, or EN 15534-1:2014 Section 8.1	720h, Grey Level = 4-5
Weathering Test	ISO 4892-2:2013 cycle 1	After 720-hour test, there was no visual chalking on the surface
Slip Resistance	1. AS4586:2013 Oil-wet inclining platform method 2. AS4586-2013 Wet pendulum test method	1. R10 2. P5
Luminance Reflectance Value (LRV)	AS 1428.1-2009 Appendix B (also compliant with AS/NZS 1428.4.1-2009)	Alpine Ash: In Dry: 19.10; In Wet: 18.35 Ironwood: In Dry: 10.73; In Wet: 9.59 Leatherwood: In Dry: 14.45; In Wet: 11.95 Backbeach: In Dry: 24.21; In Wet: 22.24 Riverbank Red: In Dry: 9.46; In Wet: 5.94 Estate Brown: In Dry: 8.42; In Wet: 6.15
Mould Resistance	ISO 16869:2008 Plastic Assessment of the effectiveness of fungistatic compounds in plastic formulations	0 (no growth)
Coefficient of Linear Thermal Expansion	ASTM D696-08	3.19×10^{-5} cm/cm/°C
Density	ASTM D792-13 Method B	1.201g/cm^3
Janka Hardness	ASTM D1037-12	10.78
Falling Mass Impact Resistance	BS EN15534-1:2014 + A1: 2017 Section 7.1.2.1 EN15534-4: 2014 Section 4.5.1	Type: Solid profile max/crack length (mm): no crack Max. Residual indentation (mm) 0.8
Abrasion/Wear Resistance	ASTM D4060-14	Mass/Weight loss, 40.5mg
Reach	EU Reach Regulation N01907/2006 Article 33(1) Obligation to provide information of safe use	PASS
Creep Recovery	ASTM D7031-17	Creep recovery: 84% (requirement >75%) = PASS
Burning Characteristics	1. AS ISO 9239.1-2003 2. AS 1530.3:1999	1. Critical flux (transverse): 9.7kW/m^2 Critical flux (longitudinal): 5.8kW/m^2 Smoke Production: 150%/minute 2. Ignition Time (mins.): 10.8 Flame propagation time (s): 155 Heat release integral (Kj/m^2): 683.5

*See Engineering Evaluation Certificate for more information