


# Ekodeck® Decking / Designer Series

## TECHNICAL SPECIFICATIONS








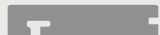



### Colours

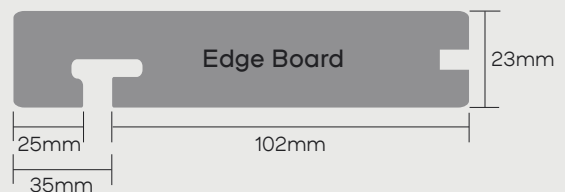
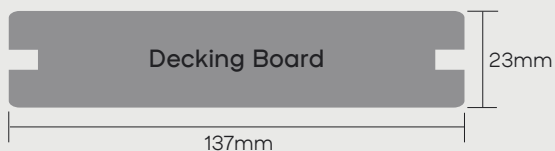


### Decking Boards

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)	<table border="1"> <thead> <tr> <th>Alpine Ash</th> <th>Ironwood</th> <th>Leatherwood</th> <th>Backbeach</th> <th>Riverbank Red</th> <th>Estate Brown</th> </tr> </thead> <tbody> <tr> <td>In Dry: 19.10</td> <td>In Dry: 10.73</td> <td>In Dry: 14.45</td> <td>In Dry: 24.21</td> <td>In Dry: 9.46</td> <td>In Dry: 8.42</td> </tr> <tr> <td>In Wet: 18.35</td> <td>In Wet: 9.59</td> <td>In Wet: 11.95</td> <td>In Wet: 22.24</td> <td>In Wet: 5.94</td> <td>In Wet: 6.15</td> </tr> </tbody> </table>	Alpine Ash	Ironwood	Leatherwood	Backbeach	Riverbank Red	Estate Brown	In Dry: 19.10	In Dry: 10.73	In Dry: 14.45	In Dry: 24.21	In Dry: 9.46	In Dry: 8.42	In Wet: 18.35	In Wet: 9.59	In Wet: 11.95	In Wet: 22.24	In Wet: 5.94	In Wet: 6.15
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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 <sup>-5</sup> cm/cm/°C																		
Density	ASTM D792-13 Method B	1.201g/cm <sup>3</sup>																		
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): 9.3kW/m <sup>2</sup> Critical flux (longitudinal): 5.8kW/m <sup>2</sup> Smoke Production: 150%/minute  2. Ignition Time (mins.): 10.8 Flame propagation time (s): 155 Heat release integral (Kj/m <sup>2</sup> ): 683.5																		

\*See Engineering Evaluation Certificate for more information