

## Material Composition

Recycled Wood Powder	Approximately 69%
Polyvinyl Chloride	Approximately 23%
Calcium Carbonate	Approximately 5%
Organic Colour Oxides	Approximately 3%

## Material Characteristics

Property	Standard/Report	Attribute
Density	AS/NZS 4266.3:2004	Nominal 0.825 gr/cm <sup>3</sup>
Coefficient of Linear Thermal Expansion	AS/NZS 4459.8	0.00006 mm/mm°C
Fire Rating Australia & New Zealand	AS/NZS 1530.3  AS/NZS 3837:1998  AS/NZS 3959:2009	Ignitability Index = 11, Spread of Flame Index = 0 Heat Evolved Index = 0, Smoke Developed Index = 6  Group 3 - Standard material composition Group 1 - Performance material composition (additional treatment – upon request)  BAL29 - Performance material composition (additional treatment – upon request)
Fire Rating European	EN 13501-1:2007	Class D-s3-d0 - Standard material composition Class B-s3-d0 - Performance material composition (additional treatment – upon request)
Fire Rating United States	ASTM E84	Class A - Performance material composition (additional treatment – upon request)
Weathering and UV Resistance	ISO 105-A02 QUV Test	UV Stable under normal environmental conditions No Gloss Loss - Colour Change 4
Salt Water Emersion	CSIRO-CMMT 228	Suitable - Marine intertidal zones & salt spray environments
High Humidity Environment	CSIRO-CMMT 228	Suitable - High humidity environments
Termite Resistance	CSIRO-FFP 996	Suitable - Outside above ground applications
Moisture Content	AS/NZS 4266.3:2004	1.31 %
Moisture Movement	AS/NZS 4266.14:2004	0.0000044 mm/mm.RH%
Moisture Absorption	AS/NZS 4266.14:2004	0.54% Mass Change at 25°C & 85% RH (216 Hrs)
Wet Slip Resistance	AS/NZS 4586:2013	P5 (Highly Resistant)
Modulus of Rupture	AS/NZS 4266.5:2004	30.78 – 32.2 MPa
Modulus of Elasticity	AS/NZS 4266.5:2004	1.527 – 2.102 GPa
Internal Bond Strength	AS/NZS 4266.6:2004	1.36 MPa