

Product Tested/Audit Item	Attribute	Standard / Report	Tested by
STRENGTH, MOISTURE and TEMPERATURE RELATED			
Modulus of Rupture (MoR)	Ultimate strength at failure	AS/NZS 4266.5:2004	Sydney University
Modulus of Elasticity (MoE)	Proof elastic limit	AS/NZS 4266.5:2004	Sydney University
Internal Bond Strength	Internal bond strength normal to the face of the sample	AS/NZS 4266.6:2004	Sydney University
Specific Density	At equilibrium moisture content: (EMC) - 23°C & 50% RH	AS/NZS 4266.4:2004	Sydney University
Moisture Content	At equilibrium moisture content: (EMC) - 23°C & 50% RH	AS/NZS 4266.3:2004	Sydney University
Moisture Absorption	Moisture absorption mass change is reversible. Mass change of material at 25°C & 85% RH / ~216 hrs.	AS/NZS 4266.14:2004	Sydney University
Moisture Movement	Moisture movement is reversible. Final length calculated as follows: $L_f = L_i (1 + \Delta\delta \text{ R.H.})$	AS/NZS 4266.14:2004	Sydney University
Surface Water Absorption	Observed capillary moisture absorption similar.	AS/NZS 4266.12:2003	Sydney University
Thermal Coefficient of Linear Expansion (α).	Thermal linear movement is reversible	REF AS 4459.8	Sydney University
Impact Resistance	Specimen thickness: 28.0mm Mass of the falling weight: 5Kg Diameter of the falling weight: 63.5mm	ASTM D4495-12	
Static Coefficients of friction	Specimen: 625*145*28.10mm, Testing Speed: 1.27mm/min	ASTM D2394-05 (2011) Section 33~37	
Sliding Coefficients of friction	Specimen: 625*145*28.10mm, Testing Speed: 51mm/min		
Abrasion Resistance	Wheel: CS-10, Load: 1000g/wheel (total 2000g), Cycles: 1000	ASTM D4060-10	

Physical Property	Attribute	Standard / Report	Tested By
FIRE RELATED			
Early Fire Hazard Indices <ul style="list-style-type: none"> • Ignitability Index • Spread of Flame Index • Heat Evolved Index • Smoke Developed Index 	Standard Composition Self-extinguishing with no support for spread of flame or further combustion. Suitable for most applications under BCA classifications – 1, 2, 3, 5, 6, 8 or 9b (Subject to individual application).	AS/NZS 1530.3 CSIRO Report FNE11482	CSIRO SGS
Fire Hazard Property	Group 1 (By Request)	AS/NZS 3837 Specification A2.4 of BCA	CSIRO
Bushfire Attack Level (BAL rating)	Up to BAL-29 (By Request)	AS3959:2009 Construction of Buildings in Bushfire Prone Areas. Appendix F.	CSIRO
DURABILITY RELATED			
UV Resistant Coating	UV Stable	ISO 105-A02 AWTA Report 7-5600004-NV	AWTA
Salt Water Emersion	No adverse effects	CSIRO-CMMT Report No. 228/R2	CSIRO
High Humidity Environment	No adverse effects	CSIRO-CMMT Report No. 228/R2	CSIRO
Termite Resistance	Deemed termite resistant	CSIRO-FFP Report No; 996	CSIRO

Physical Property	Attribute	Standard / Report	Tested by
ENVIRONMENT RELATED			
Life Cycle & Product Declaration Assessment	Environmental Label and Declaration	ISO14025	Edge Environment
	Sustainability of Construction work	EN1804	
Volatile compound emissions	Deemed very low	CETC Report No; CV090305	Suitable for use in indoor environments
MISCELLANEOUS PROPERTIES			
Wet Slip Resistance	Wet Pendulum Slip Resistance	AS/NZS 4586: 2013	ATTAR
Fastener Pull Out	Ring-shank nails and screws have an enhanced pull out force	AS 1649	