

**RITECLAD TECHNICAL DATA SHEET**

ITEM	TEST STANDARD	UNIT	RESULT
Unit Weight (Density)	Metric	Kg/m <sup>3</sup>	1065
Unit Weight (135x24mm Decking)	Metric	Kg/lm	3.42
Allowable Decking Span (485kg/m <sup>2</sup> )	Metric	mm	450 (on centre)
Allowable Cladding Span	Metric	Mm	600 (on centre)
Coefficient of Thermal Expansion	ASTM D-696	-	1.6x10 <sup>-5</sup>
Flexural Modulus MOE	ASTM D-6109	psi	554,985
Flexural Strength MOR	ASTM D-6109	psi	3,467
Tensile Modulus MOE	ASTM D-790	psi	450,000
Tensile Strength	ASTM D-638	psi	1,200
Compressive Strength	ASTM D-143	psi	2,350
Specific Gravity	ASTM D-2395	gm/cc	1.2
Coefficient of Friction <ul style="list-style-type: none"> <li>▪ Dry</li> <li>▪ Wet</li> </ul>	ASTM F-1679-96 ASTM F-1679-96	- -	0.53 0.53
Screw Withdraw (#10 Wood-screw)	ASTM D-1761	lbs	880
Screw Head Pull-through (#9 Screw)	ASTM D-1761	lbs	909
Fungus Resistance (Brown & White Rot)	AWPA E7-93	-	Pass
Termite Resistance (Formosan Sub.)	AWPA E7-93	-	Pass
UV Exposure <ul style="list-style-type: none"> <li>▪ MOR Degrade</li> <li>▪ MOE Degrade</li> </ul>	ASTM D-6662 ASTM D-6662	- -	-4.3% -7.5%
Moisture Absorption	ASTM D-1037	%	1.7
Hardness	ASTM D-143	lbs	1,390
Thermal Conductivity	ASTM C-177	Btu/hr/ft <sup>2</sup> /°F	2.03
Concentrated Static Load (50°C) <ul style="list-style-type: none"> <li>▪ Ultimate Load</li> <li>▪ Deflection at 0.89kN Load</li> </ul>	ASTM E-661 ASTM E-661	kN mm	3.03 3.23
Impact Load of 100Nm (50°C) <ul style="list-style-type: none"> <li>▪ Load of 1.78kN after Impact</li> <li>▪ Deflection at 0.89kN Load</li> </ul>	ASTM E-661 ASTM E-661	No Break mm	Pass 2.42
Ignitability Index	AS/NZS 1530.3	-	10
Spread of Flame Index	AS/NZS 1530.3	-	6
Heat Evolved Index	AS/NZS 1530.3	-	5
Smoke Developed Index	AS/NZS 1530.3	-	4