

TECHNICAL DATA SHEET | CEMINTEL® STREET STYLE BALMORAL WEATHERBOARDS

APPLICATIONS	
	RESULT
Applications	Façades & Cladding
Type of Building Structure	Residential Housing Buildings within the scope of AS4055
Wet Areas	No

PANEL – DIMENSIONAL & GEOMETRICAL CHARACTERISTICS			
DIMENSIONAL/ GEOMETRICAL CHARACTERISTIC	SPECIFICATION	MANUFACTURING TOLERANCE	RELEVANT STANDARD
Panel Width	180 mm		
Panel Length	4200 mm	+1 mm / -0 mm	
Panel Thickness	16 mm	+0 mm / -2 mm	
Profile	Arised Edge	+0.5 mm / -0 mm	
Perpendicularity/squareness of edges	2 mm/linear metre		
Weight (typical)	3.8 kg/linear metre - 180 mm		
Layout Options	Horizontal		
Jointing	Shiplap		

PANEL – STRENGTH & MOISTURE RELATED PROPERTIES		
PHYSICAL PROPERTY	RESULT	RELEVANT STANDARD
Modulus of Rupture (Wet)	>9 MPa	AS2908.2
Modulus of Elasticity (Wet)	1.5-2.0 GPa	AS2908.2
Density (Oven Dry)	1200 kg/m ³	AS2908.2
Water Vapor Diffusion	Not Required	Not Required
Water Tightness (24hrs)	No water droplet	AS2908.2
Water Absorption (Saturated – 48hrs)	30 wt%	ASTM C 1186
Moisture Content	(EMC) 7 wt%	ASTM C 1186
Moisture Movement (30-90% Humidity)	0.062%	ASTM C 1186

PANEL – OTHER DURABILITY/WEATHER RESISTANCE INDICATORS		
TEST	RESULT	RELEVANT STANDARD
Heat Rain	PASSED (25 Cycles)	AS2908.2
Freeze Thaw	PASSED (50 Cycles)	AS2908.2
Warm Water Resistance	PASSED (56 Days)	AS2908.2
Soak Dry	PASSED (25 Cycles)	AS2908.2

PANEL – FINISH CHARACTERISTICS		
CHARACTERISTIC	RESULT	RELEVANT STANDARD
Finish	Preprimed	N/A
Coating Type	N/A	N/A
Colour Bodied	No	N/A
Paint Type	N/A	N/A
UV Resistance	N/A	N/A
Formaldehyde Emission Rate	N/A	N/A
VOC Emission Rate	N/A	N/A

PANEL – FIRE RESISTANCE, THERMAL & ACCOUSTIC PROPERTIES		
CHARACTERISTIC	RESULT	RELEVANT STANDARD
Fire Resistance		
Combustibility	Suitable for use in applications where non-combustible materials are specified by the Deemed to Satisfy Provisions of the BCA Vol 1 Clause C1.9	
Fire Hazard Properties	N/A	
Surface Burning		
Thermal Resistance	0.0720 m ² K/W	ASTM C518-10
Thermal Conductivity (λ-Factor)	0.2290 W/m.K	ASTM C518-10
Thermal Expansion Coefficient	N/A	N/A
Acoustic Value		
Sound reduction (depends on construction)	N/A	N/A

SYSTEM SOLUTIONS		
CHARACTERISTIC	RESULT	RELEVANT STANDARD
Within Scope of AS4055?	Yes	
Wind Loading – Residential housing buildings within the scope of AS4055	N1, N2, N3, N4, N5, C1, C2, C3	
Weatherproofing	Serviceability wind loads up to 1.19 kPa	BCA Fv1.1
Cyclonic Conditions	N/A	AS 4055
Fire Resistance Limits (FRLs)	Refer to The Red Book™ 1 - Design Guide	AS 1530.4
Bushfire Construction	BAL 40 (Construction for Bushfire Attack Level 40 for an external wall)	AS 3959-8
Acoustic	Refer to The Red Book™ 1 - Design Guide	AS/NZS ISO 717
Thermal	Refer to The Red Book™ 1 - Design Guide	N/A

FIXING	
CHARACTERISTIC	
Maximum Span (Stud Spacing)	Up to 600 mm
Direct Fix	
Nail to Timber Frame	Yes
Screw to Timber Frame	No
Screw to Steel Frame	Yes
Cavity Fix	
Timber Frame	Yes - nail to timber through battens
Steel Frame	Yes - screw to steel frame through battens
Masonry Frame	No
Exposed Fasteners	
Screw	No
Rivet	No
Nail	No
Concealed Fasteners	
Clip	No
Countersunk Screw/Nail	No
Adhesive, Split Batten, etc.	No
Hidden by Overlapping Panel	Yes
Flush Jointed (Taped)	No

WARRANTY	10 YEARS
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