

TECHNICAL DATA SHEET | CEMINTEL® STREET STYLE EDGE CLADDING

APPLICATIONS	
	RESULT
Applications	Façades & Cladding, Internal Linings
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 Dimensions	1200mmW x 2450mmL x 9mmD - 75mm, 150mm, 400mm V-Groove, 150mm U-Groove	Width +0 -3 mm Length +0 -3 mm Thickness +0.5 -0 mm	
	1200mmW x 2750mmL x 9mmD - 75mm, 150mm, 400mm V-Groove, 150mm U-Groove		
	1200mmW x 3000mmL x 9mmD - 75mm, 150mm, 400mm V-Groove, 150mm U-Groove		
Profile	Shiplap		
Perpendicularity/squareness of edges	2mm/linear metre		
Weight (typical)	13.5kg/m ²		
Layout Options	Vertical & Horizontal		
Jointing	Concealed		

PANEL – STRENGTH & MOISTURE RELATED PROPERTIES		
PHYSICAL PROPERTY	CAS NUMBER	PROPORTION
Modulus of Rupture (Wet)	> 9 MPa	AS2908.2
Modulus of Elasticity (Wet)	3-5 GPa	AS2908.2
Density (Oven Dry)	1280 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	7 wt%	ASTM C 1186
Moisture Movement (30-90% Humidity)	0.05%	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			
Coating Type	Sealer Type: Pigmented Sealer On Face			
Colour Bodied	No			
Paint Type				
UV Resistance	N/A		N/A	
Formaldehyde Emission Rate	N/A		N/A	
VOC Emission Rate	N/A		N/A	
SPECTRAL REFLECTIVITY VALUES	SOLAR REFLECTANCE %	SOLAR ABSORPTION %	BASIX COLOUR	RELEVANT STANDARD
Edge™ Cladding Edge Ribbon				
Edge™ Cladding Bond				
Edge™ Cladding Oxford				
Edge™ Cladding Crown				
Formaldehyde Emission Rate				

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 2016 BCA Vol 1 Amendment 1 Clause C1.9 (2015 BCA Vol Clause C1.12)			
Fire Hazard Properties	Average Specific Extinction Area <250		AS 5637.1	
Classification	Group 1		AS/NZ 3837	
Thermal Conductivity				
Thermal Conductivity (λ-Factor)	≈ 0.2535 W/m.K			
Thermal Expansion Coefficient	0.005-0.01mm/mK		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, N6, C1, C2, C3, C4			
Weatherproofing	Suitable for all building classes as set out in the BCA (ie 1&10, 2-9)		N/A	
Cyclonic Conditions	N/A		N/A	
Fire Resistance Limits (FRLs)	Up to 120/120/120		Refer to Gyprock® The Red Book™	
Bushfire Construction	BAL 29 (Construction for Bushfire Attack Level 29 for an external wall)		AS 3959-8	
Acoustic	Acoustic solutions of up to RW/RW+CTR 53/44 (CSR 5174) are detailed		Refer to Gyprock® The Red Book™	
Thermal	Thermal solutions of up to RT(sum)/RT(win) 2.6/2.9		Refer to Gyprock® The Red Book™	

FIXING

CHARACTERISTIC

Maximum Span (Stud Spacing) Up to 600mm

Direct Fix

Nail to Timber Frame Yes

Screw to Timber Frame No

Screw to Steel Frame Yes

Cavity Fix

Timber Frame Yes

Steel Frame Yes

Masonry Frame No

Exposed Fasteners

Screw Yes

Rivet No

Nail Yes

Concealed Fasteners

Clip No

Countersunk Screw/Nail No

Adhesive, Split Batten, etc. No

Hidden by Overlapping Panel No

Flush Jointed (Taped) No

WARRANTY

10 YEARS