

## 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	1200 mmW x 2450 mmL x 9mm D - 75 mm, 150 mm, 400 mm V-Groove, 150 mm U-Groove	Width +0 -3 mm Length +0 -3 mm Thickness +0.5 -0 mm	
	1200 mmW x 2750 mmL x 9mm D - 75 mm, 150 mm, 400 mm V-Groove, 150 mm U-Groove		
	1200 mmW x 3000 mmL x 9 mmD - 75 mm, 150 mm, 400 mm V-Groove, 150 mm U-Groove		
Profile	Shiplap		
Perpendicularity/squareness of edges	2 mm/linear metre		
Weight (typical)	13.5 kg/m <sup>2</sup>		
Layout Options	Vertical & Horizontal		
Jointing	Concealed		

PANEL – STRENGTH & MOISTURE RELATED PROPERTIES			
PHYSICAL PROPERTY	RESULT	RELEVANT STANDARD	
Modulus of Rupture (Wet)	> 9 MPa	AS2908.2	
Modulus of Elasticity (Wet)	3-5 GPa	AS2908.2	
Density (Oven Dry)	1280 kg/m <sup>3</sup>	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		
<b>Finish</b>	Preprimed			
<b>Coating Type</b>	Sealer Type: Pigmented Sealer On Face			
<b>Colour Bodied</b>	No			
<b>Paint Type</b>				
<b>UV Resistance</b>	N/A	N/A		
<b>Formaldehyde Emission Rate</b>	N/A	N/A		
<b>VOC Emission Rate</b>	N/A	N/A		
SPECTRAL REFLECTIVITY VALUES	SOLAR REFLECTANCE %	SOLAR ABSORPTION %	BASIX COLOUR	RELEVANT STANDARD
<b>Edge™ Cladding Edge Ribbon</b>				
<b>Edge™ Cladding Bond</b>				
<b>Edge™ Cladding Oxford</b>				
<b>Edge™ Cladding Crown</b>				
<b>Formaldehyde Emission Rate</b>				

**PANEL – FIRE RESISTANCE, THERMAL & ACCOUSTIC PROPERTIES**

CHARACTERISTIC	RESULT	RELEVANT STANDARD
<b>Fire Resistance</b>		
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
<b>Thermal Conductivity</b>		
Thermal Conductivity ( $\lambda$ -Factor)	$\approx 0.2535$ W/m.K	
Thermal Expansion Coefficient	0.005-0.01 mm/mK	N/A
<b>Acoustic Value</b>		
Sound reduction (depends on construction)	N/A	N/A

**SYSTEM SOLUTIONS**

CHARACTERISTIC	RESULT	RELEVANT STANDARD
<b>Within Scope of AS4055?</b>	Yes	
<b>Wind Loading - Residential housing buildings within the scope of AS4055</b>	N1, N2, N3, N4, N5, N6, C1, C2, C3, C4	
<b>Weatherproofing</b>	Suitable for all building classes as set out in the BCA (ie 1&10, 2-9)	N/A
<b>Cyclonic Conditions</b>	N/A	N/A
<b>Fire Resistance Limits (FRLs)</b>	Up to 120/120/120	Refer to Gyprock® The Red Book™
<b>Bushfire Construction</b>	BAL 29 (Construction for Bushfire Attack Level 29 for an external wall)	AS 3959-8
<b>Acoustic</b>	Acoustic solutions of up to RW/RW+CTR 53/44 (CSR 5174) are detailed	Refer to Gyprock® The Red Book™
<b>Thermal</b>	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 600 mm

**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**