

## TECHNICAL DATA SHEET | CEMINSEAL® WALLBOARD – SQUARE EDGE

APPLICATIONS	
	RESULT
<b>Applications</b>	Internal Linings, Eaves & Soffits (Express jointed only)
<b>Type of Building Structure</b>	Residential Housing Buildings within the scope of AS4055, Commercial & Other
<b>Wet Areas</b>	Yes

PANEL – DIMENSIONAL & GEOMETRICAL CHARACTERISTICS			
DIMENSIONAL/ GEOMETRICAL CHARACTERISTIC	SPECIFICATION	MANUFACTURING TOLERANCE	RELEVANT STANDARD
<b>Panel Dimensions</b>	1200 mmW x 2400 mmL x 6 mmD 1200 mmW x 2700 mmL x 6 mmD 1200 mmW x 3000 mmL x 6 mmD 1200 mmW x 3600 mmL x 6 mmD 1200 mmW x 2700 mmL x 9 mmD 1200 mmW x 3000 mmL x 9 mmD	Width +0 -3 mm Length +0 -4 mm Thickness +0.5 -0 mm	
<b>Profile</b>	Square Edge		
<b>Perpendicularity/squareness of edges</b>	2 mm/linear metre		
<b>Weight (typical)</b>	6 mm = 9.4 kg/m <sup>2</sup> , 9 mm = 14 kg/m <sup>2</sup>		
<b>Layout Options</b>	Horizontal		
<b>Jointing</b>	Butt Jointed, Concealed, Expressed (ceilings only)		

PANEL – STRENGTH & MOISTURE RELATED PROPERTIES			
PHYSICAL PROPERTY	RESULT	RELEVANT STANDARD	
<b>Modulus of Rupture (Wet)</b>	>8 MPa	AS2908.2	
<b>Modulus of Elasticity (Wet)</b>	3-5 GPa	AS2908.2	
<b>Density (Oven Dry)</b>	1350 kg/m <sup>3</sup>	AS2908.2	
<b>Water Vapor Diffusion</b>	Not Required	Not Required	
<b>Water Tightness (24hrs)</b>	No water droplet	AS2908.2	
<b>Water Absorption (Saturated – 48hrs)</b>	30 wt%	ASTM C 1186	
<b>Moisture Content (EMC)</b>	7 wt%	ASTM C 1186	
<b>Moisture Movement</b>	0.0006%	ASTM C 1186	

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

PANEL – FINISH CHARACTERISTICS				
CHARACTERISTIC	RESULT			RELEVANT STANDARD
<b>Finish</b>	Preprimed			
<b>Coating Type</b>	CeminSeal®			
<b>Colour Bodied</b>	No			
<b>Paint Type</b>				
<b>UV Resistance</b>	N/A			N/A
<b>Formaldehyde Emission Rate</b>	Meets Green Building Council Office Design IEQ-14 Requirements for <0.1 mg/m <sup>2</sup> /hr* *Refers to results obtained for Woodlands Teak			ASTM D5116
<b>VOC Emission Rate</b>	Meets Green Building Council Office Design IEQ-14 Requirements for <0.5 mg/m <sup>2</sup> /hr* *Refers to results obtained for Woodlands Teak			ASTM D5116
SPECTRAL REFLECTIVITY VALUES	SOLAR REFLECTANCE %	SOLAR ABSORPTION %	BASIX COLOUR	RELEVANT STANDARD
<b>CeminSeal® Wallboard – Square Edge</b>				N/A

PANEL – FIRE RESISTANCE, THERMAL & ACOUSTIC 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	Group 1 Av Specific Extinction Area <250			AS5637.1
Classification	1			AS/NZ3837
<b>Thermal Conductivity</b>				
Thermal Conductivity (λ-Factor)	≈ 0.2776 W/m.K			
Thermal Expansion Co-efficient	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, C1, C2, C3			
<b>Weatherproofing</b>	N/A			N/A
<b>Cyclonic Conditions</b>	N/A			N/A
<b>Fire Resistance Limits (FRLs)</b>	N/A			N/A
<b>Bushfire Construction</b>	BAL 40 (Construction for Bushfire Attack Level 40 for an external wall)			AS3959-8
<b>Acoustic</b>	N/A			N/A
<b>Thermal</b>	N/A			N/A

**FIXING**

**CHARACTERISTIC**

Maximum Span (Stud Spacing) Up to 1200 mm (internal); Up to 1610 mm (external)

**Direct Fix**

Nail to Timber Frame Yes (walls)

Screw to Timber Frame No

Screw to Steel Frame Yes (walls)

**Cavity Fix**

Timber Frame Yes (ceilings)

Steel Frame Yes (ceilings)

Masonry Frame No

**Exposed Fasteners**

Screw No

Rivet No

Nail No

**Concealed Fasteners**

Clip No

Countersunk Screw/Nail Yes

Adhesive, Split Batten, etc. Yes

Hidden by Overlapping Panel No

Flush Jointed (Taped) Yes

**WARRANTY**

**25 YEARS**