

TECHNICAL DATA SHEET | CEMINSEAL® WALLBOARD – RECESSED EDGE

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

PANEL – DIMENSIONAL & GEOMETRICAL CHARACTERISTICS			
DIMENSIONAL/ GEOMETRICAL CHARACTERISTIC	SPECIFICATION	MANUFACTURING TOLERANCE	RELEVANT STANDARD
Panel Dimensions	900 mmW x 3000 mmL x 6 mmD 1200 mmW x 1800 mmL x 6 mmD 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 4200 mmL x 6 mmD 1350 mmW x 2400 mmL x 6 mmD 1350 mmW x 3000 mmL x 6 mmD 1350 mmW x 3600 mmL x 6 mmD 1350 mmW x 4200 mmL x 6 mmD 1200 mmW x 2400 mmL x 9 mmD 1200 mmW x 2700 mmL x 9 mmD 1200 mmW x 3000 mmL x 9 mmD 1200 mmW x 3000 mmL x 12 mmD	Width +0 -3 mm Length +0 -4 mm Thickness +0.5 -0 mm	
Profile	Recessed Edge		
Perpendicularity/squareness of edges	2 mm/linear metre		
Weight (typical)	6 mm = 9.4 kg/m ² , 9 mm = 14 kg/m ²		
Layout Options	Horizontal		
Jointing	Butt Jointed, Concealed, Expressed (ceilings only)		

PANEL – STRENGTH & MOISTURE RELATED PROPERTIES			
PHYSICAL PROPERTY	RESULT	RELEVANT STANDARD	
Modulus of Rupture (Wet)	>8 MPa	AS2908.2	
Modulus of Elasticity (Wet)	3-5 GPa	AS2908.2	
Density (Oven Dry)	1350 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	0.0006%	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	CeminSeal®			
Colour Bodied	No			
Paint Type				
UV Resistance	N/A	N/A		
Formaldehyde Emission Rate	Meets Green Building Council Office Design IEQ-14 Requirements for <0.1 mg/m ² /hr* *Refers to results obtained for Woodlands Teak	N/A		
VOC Emission Rate	Meets Green Building Council Office Design IEQ-14 Requirements for <0.5 mg/m ² /hr* *Refers to results obtained for Woodlands Teak	N/A		
SPECTRAL REFLECTIVITY VALUES	SOLAR REFLECTANCE %	SOLAR ABSORPTION %	BASIX COLOUR	RELEVANT STANDARD
CeminSeal® Wallboard – Recessed Edge				N/A

PANEL – FIRE RESISTANCE, THERMAL & ACOUSTIC 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	Group 1 Av Specific Extinction Area <250	AS5637.1
Classification	1	AS/NZ3837
Surface Burning Characteristics		AS1530.3
Thermal Conductivity		
Thermal Conductivity (λ-Factor)	≈ 0.2776 W/m.K	N/A
Thermal Expansion Co-efficient	0.005-0.01 mm/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, C1, C2, C3	
Weatherproofing	N/A	N/A
Cyclonic Conditions	N/A	N/A
Fire Resistance Limits (FRLs)	N/A	N/A
Bushfire Construction	BAL 40 (Construction for Bushfire Attack Level 40 for an external wall)	AS3959-8
Acoustic	N/A	N/A
Thermal	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