

TECHNICAL DATA SHEET | STREET STYLE MOSAIC® CLADDING

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 Dimensions	1190 mmW x 2990 mmL x 8 mmD	Width +0 -3 mm Length +0 -3 mm Thickness +0.5 -0 mm	
Profile	Square Edge		
Perpendicularity/squareness of edges	2 mm/linear metre		
Weight (typical)	12.6 kg/m ²		
Layout Options	Horizontal, Vertical, Diagonal/Al		
Jointing	Expressed		

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 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	0.05%	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
Mosaic® Cladding				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	Group 1			AS/NZ3837
Surface Burning Characteristics				AS1530.3
Thermal Conductivity				
Thermal Conductivity (λ-Factor)	≈ 0.2535 W/m.K			
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, N6, C1, C2, C3			
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)			AS3959-8
Acoustic				Refer to Gyprock® The Red Book™
Thermal	Thermal solutions of up to RT(sum)/RT(win) 3.5/3.8			Refer to Gyprock® The Red Book™

FIXING

CHARACTERISTIC

Maximum Span (Stud Spacing) Up to 600 mm

Direct Fix

Nail to Timber Frame No

Screw to Timber Frame No

Screw to Steel Frame No

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