

TECHNICAL DATA SHEET | EAVES LINING SHEET

APPLICATIONS	
	RESULT
Applications	Eaves & Soffits
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	450 mmW x 2400 mmL x 4.5 mmD 600 mmW x 2400 mmL x 4.5 mmD 750 mmW x 2400 mmL x 4.5 mmD	Width +0 -3 mm Length +0 -4 mm Thickness +0.5 -0 mm	
Profile	Square Edge		
Perpendicularity/squareness of edges	12 mm/linear metre		
Weight (typical)	7.3 kg/m ²		
Layout Options	N/A		
Jointing	Cover Strip		

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)	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	0.06%	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	Unprimed			
Coating Type				
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
Eaves Lining Sheet				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
Thermal Conductivity				
Thermal Conductivity (λ-Factor)	≈ 0.2704 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			
Weatherproofing	N/A			N/A
Cyclonic Conditions	N/A			N/A
Fire Resistance Limits (FRLs)	N/A			N/A
Bushfire Construction	BAL 29 (Construction for Bushfire Attack Level 29 for an external wall)			AS3959-8
Acoustic	N/A			N/A
Thermal	N/A			N/A

FIXING

CHARACTERISTIC

Maximum Span (Stud Spacing) Up to 600 mm

Direct Fix

Nail to Timber Frame Yes

Screw to Timber Frame Option for ceilings/eaves

Screw to Steel Frame No

Cavity Fix

Timber Frame No

Steel Frame No

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

25 YEARS