

## TECHNICAL DATA SHEET | STREET STYLE SMOOTH PLANK

APPLICATIONS	
	RESULT
<b>Applications</b>	Façades & Cladding
<b>Type of Building Structure</b>	Residential Housing Buildings within the scope of AS4055
<b>Wet Areas</b>	No

PANEL – DIMENSIONAL & GEOMETRICAL CHARACTERISTICS			
DIMENSIONAL/ GEOMETRICAL CHARACTERISTIC	SPECIFICATION	MANUFACTURING TOLERANCE	RELEVANT STANDARD
<b>Panel Dimensions</b>	230 mmW x 4200 mmL x 7.5 mmD 300 mmW x 4200 mmL x 7.5 mmD	Width +3 -3 mm Length +0 -3 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>	12.2 kg/m <sup>2</sup>		
<b>Layout Options</b>	Horizontal		
<b>Jointing</b>	Concealed		

PANEL – STRENGTH & MOISTURE RELATED PROPERTIES			
PHYSICAL PROPERTY	RESULT	RELEVANT STANDARD	
<b>Modulus of Rupture (Wet)</b>	>9 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>	0.062%	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
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
Smooth Plank				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)	≈ 0.2704 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
Within Scope of AS4055?	Yes			
Wind Loading – Residential housing buildings within the scope of AS4055	N1, N2, N3, N4, C1, C2			
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 90/90/90			Refer to Gyprock® The Red Book™
Bushfire Construction	BAL 29 (Construction for Bushfire Attack Level 29 for an external wall)			AS3959-8
Acoustic	Acoustic solutions of up to RW/RW+CTR 50/42 are detailed			Refer to Gyprock® The Red Book™
Thermal	Thermal solutions of up to RT(sum)/RT(win) 3.4/3.8 are detailed			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 No

Rivet No

Nail No

**Concealed Fasteners**

Clip Yes

Countersunk Screw/Nail No

Adhesive, Split Batten, etc. No

Hidden by Overlapping Panel No

Flush Jointed (Taped) No

**WARRANTY**

25 YEARS