

TECHNICAL DATA SHEET | STREET STYLE ASPECT® CLADDING

APPLICATIONS	
	RESULT
Applications	Façades & Cladding, Internal Linings
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 Width	300 mm	+0.0 mm / -3.0 mm	
Panel Length	4200 mm	+0.0 mm / -4.0 mm	
Panel Thickness	12 mm	+0.5 mm / -0.0 mm	
Profile	Shiplap		
Perpendicularity/squareness of edges	1 mm/linear metre		
Weight (typical)	19 kg/m ²		
Layout Options	Horizontal		
Jointing	Concealed		

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	0.062%	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: Clear 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
Aspect® Cladding				N/A

PANEL – FIRE RESISTANCE, THERMAL & ACOUSTIC PROPERTIES		
CHARACTERISTIC	RESULT	RELEVANT STANDARD
Fire Resistance		
Combustibility	In accordance with Volume Two of NCC 2022 H3D2(1) [2019: 3.7.1.1], Cemintel Aspect can be used wherever a non-combustible material is required by the code.	
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, N4, N5, N6, C1, C2, C3, C4	
Weatherproofing	Suitable for all building classes as set out in the NCC (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

Indirect Fix

Timber Frame Yes

Steel Frame No

Masonry Frame No

Exposed Fasteners

Screw No

Rivet No

Nail No

WARRANTY

15 YEARS