

PANEL DESCRIPTION / COMPOSITION

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	300mm	+ 0.0mm / - 3.0mm	
Panel Length	4200mm	+ 0.0mm / - 4.0mm	
Panel Thickness	12mm	+ 0.5mm / - 0.0mm	
Profile	Shiplap		
Perpendicularity/squareness of edges	1mm/linear meter		
Weight (typical)	19kg/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 & ACCOUSTIC 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	AS 5637.1
Classification	1	AS/NZ 3837
THERMAL CONDUCTIVITY		
Thermal Conductivity (λ-Factor)	≈ 0.2704 W/m.K	
Thermal Expansion Co-efficient	0.005-0.01mm/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)	AS 3959-8
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 600mm
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

August 29, 2023