

PANEL DESCRIPTION / COMPOSITION

Constructafloor® External

APPLICATIONS

	Result
Applications	Flooring & Decking
Type of Building Structure	Residential housing, commercial & other buildings (building limited loadings - refer to Design & Installation Guide)
Wet Areas	Yes

PANEL - DIMENSIONAL & GEOMETRICAL CHARACTERISTICS

Dimensional/Geometrical Characteristic	Specification	Manufacturing Tolerance	Relevant Standard
Panel Dimensions	600mm W x 2700mm L x 19mm D 900mm W x 1800mm L x 19mm D (Non Standard Sizing) 600mm W x 2400mm L x 22mm D	Width +0-3 mm Length +0-3 mm Thickness +0.3-0 mm	
Profile	Tongue & Groove		
Perpendicularity/squareness of edges	2mm/linear meter		
Weight (typical)	25.5kg/m ² (Constructafloor 19mm) 28.6kg/m ² (Constructafloor 22mm)		
Layout Options	N/A		
Jointing	Concealed		

PANEL - STRENGTH & MOISTURE RELATED PROPERTIES

Physical Property	Result	Relevant Standard
Modulus of Rupture (Wet)	>11MPa	AS2908.2
Modulus of Elasticity (Wet)	1.5-2.5GPa	
Density (Oven Dry)	1220 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 (30-90% Humidity)	0.062%	ASTM C 1186

Physical Property	Result	Relevant Standard
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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: Polyurethane	
Colour Bodied	No	
Paint Type	N/A	
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
Constructafloor® External				N/A

PANEL - FIRE RESISTANCE, THERMAL & ACCOUSTIC 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 2019 BCA Vol 1 Clause C1.9	
Fire Hazard Properties	N/A	N/A
Classification	N/A	N/A
Surface Burning Characteristics	N/A	N/A
THERMAL CONDUCTIVITY		
Thermal Conductivity (λ -Factor)	≈ 0.229 W/m.K.	N/A
Thermal Expansion Co-efficient	N/A	N/A

Characteristic	Result	Relevant Standard
ACOUSTIC VALUE	N/A	N/A
Sound reduction (depends on construction)	N/A	N/A

SYSTEM SOLUTIONS

Characteristic	Result	Relevant Standard
Within Scope of AS4055?	N/A	N/A
Wind Loading - Residential housing buildings within the scope of AS4055	N/A	N/A
Weatherproofing	N/A	N/A
Cyclonic Conditions	N/A	N/A
Fire Resistance Limits (FRLs)	N/A	N/A
Bushfire Construction	N/A	N/A
Acoustic	N/A	N/A
Thermal	N/A	N/A

FIXING

Characteristic	Result
Maximum Span (Stud Spacing)	Up to 450mm (19mm Constructafloor), up to 600mm (22mm Constructafloor)
	N/A
Nail to Timber Frame	Yes
Screw to Timber Frame	Yes
Screw to Steel Frame	Yes
CAVITY FIX	
Timber Frame	N/A
Steel Frame	N/A
Masonry Frame	N/A
EXPOSED FASTENERS	
Screw	N/A
Rivet	N/A
Nail	N/A
CONCEALED FASTENERS	
Clip	N/A

Characteristic

Countersunk Screw/Nail	N/A
Adhesive, Split Batten, etc.	N/A
Hidden by Overlapping Panel	N/A
Flush Jointed (Taped)	N/A

WARRANTY **10 YEARS**

August 29, 2023

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