

TECHNICAL PROPERTIES

SEPTEMBER 2025

1. Product Description

IBS FIBRE® Weatherboard is fibre cement board made of cement, quartz sand, and cellulose fibre, with process of slurry, forming, autoclaving and etc.

There are several choices of underlay and lining of exterior wall siding, interior wall lining, ceiling and partition systems. Various thicknesses are available to meet the demands of different projects and will suit the preference of different designers and builders.

IBS FIBRE® CTU Technical Properties		
Parameter	Value	Standard
Apparent Density	>1300kg/m3	AS/NZS 2908.2
Tolerance on Length, Width and Thickness	Length: $\leq \pm 2\text{mm}$ Width: $\leq \pm 2\text{mm}$ Thickness : $\leq 10\%$	AS/NZS 2908.2
Straightness of Edges	$\leq 1\text{mm/m}$	AS/NZS 2908.2
Squareness of Edges	$\leq 1\text{mm/m}$	AS/NZS 2908.2
Bending strength (Type A, category 3)	$\geq 10\text{MPa}$	AS/NZS 2908.2
Moisture content	8-13%	ASTM C1185
Water adsorption	$32 \pm 2\%$	ASTM C1185
Moisture movement	$< 0.25\%$	AS/NZS 2908.2
Water permeability	No formation of drops of water on the underside of the specimen after 24h	AS/NZS 2908.2
Warm water	Passed($\text{Li}=0.95$)	AS/NZS 2908.2
Freeze-thaw	Passed(50 cycles)	AS/NZS 2908.2
Heat rain	Passed(50 cycles)	EN12467:2012
Soak-dry	Passed(50 cycles)	EN12467:2012
Reaction to fire	Class A1	EN12467:2012
Combustion performance	Non-Combustible	AS 1530 Part 3:1999
Fire Hazard Properties		
Ignitability Index	0	
Spread of Flame Index	0	
Heat Evolved Index	0	
Smoke Development Index	0-1	AS 1530 Part 3:1999