

TECHNICAL PROPERTIES

SEPTEMBER 2025

1. Product Description

IBS CD Structural Plywood is an F8-grade Radiata Pine plywood bonded with Phenolic A-Bond, available in various thicknesses for bracing, flooring, roofing, and general structural use.

IBS CD Structural Ply Technical Properties		
Parameter	Value	Standard
Apparent Density	>1300kg/m ³	AS/NZS 2908.2
Tolerance on Length, Width and Thickness	Length: ± 2 mm Width: ± 2 mm Thickness : $\leq 10\%$	AS/NZS 2908.2
Straightness of Edges	≤ 1 mm/m	AS/NZS 2908.2
Squareness of Edges	≤ 1 mm/m	AS/NZS 2908.2
Bending strength (Type A, category 3)	≥ 10 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(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 Spread of Flame Index Heat Evolved Index Smoke Development Index	0 0 0 0-1	AS 1530 Part 3:1999