

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: $\leq \pm 2\text{mm}$ 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(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