

IBUILT™

Engineered Wood Products

F14 STRUCTURAL FLOORING AND ROOFING SPAN TABLES

November 2023

IBuilt are specialists in structural plywood and supply a range of F14 rated plywood that can be used in flooring and roofing applications. IBuilt's F14 Plywood is NZ's strongest rated Pine plywood.

Manufactured to AS/NZS2269:2012
Structural Plywood standard.

- Grades CD and DD.
- Untreated and H3.2.
- Square edge and tongue & groove.
- PEFC controlled source product.
- Manufactured from sustainable plantation Hoop Pine and Klinkii Pine.



F14 structural plywood mechanical properties

CHARACTERISTIC PROPERTIES (F14 GRADE)						
Stress Grade	Characteristic Strength, Mpa				Short Duration average Modulus of Elasticity, Mpa (E)	Short Duration average Modulus of Rigidity, Mpa (R)
	Bending (f_b)	Tension (f_t)	Panel Shear (f_s)	Compression (f_c)		
F14	36	22	4.8	27	12000	625

F14 Plywood Flooring span tables

APPLICATION	UDL (Kpa)	CONC (kN)	Sheet Length (m)	PLYWOOD THICKNESS (MM)				
				15mm	17mm	19mm	21mm	25mm
Domestic flooring and decking	2.0	1.8	2.4m	400	480	600	800	800
Office	3.0	2.7	2.4m	343	400	480	600	800
Retail	4.0	3.6	2.4m		343	400	480	800
Industrial	5.0	4.5	2.4m			343	480	600
Domestic Garage	2.5	9.0	2.4m			300	343	480

F14 Plywood Roofing span tables

APPLICATION	UDL (Kpa)	CONC (kN)	Sheet Length (m)	PLYWOOD THICKNESS (MM)				
				15mm	17mm	19mm	21mm	25mm
Light roof 0-10°	0.25	1.1	2.4m	900	900	900	1200	1200
Light/Heavy roof 10-20°	0.25	1.1	2.4m	900	900	900	1200	1200
Light/Heavy roof 20-30°	0.25	1.1	2.4m	900	900	900	1200	1200
Light/Heavy roof 30-45°	0.25	1.1	2.4m	900	900	900	1200	1200
Light roof up to 10°	0.25	1.8	2.4m	800	900	900	1200	1200

Certification for New Zealand

IBuilt F14 structural plywood is certified under the EWPAAs Product Certification Scheme, to AS/NZS2269.0. EWPAAs is accredited for product certification by the Joint Accreditation System of Australia and New Zealand (JAS-ANZ).

All IBuilt structural plywood products meet the requirements of the New Zealand Building Code clauses B1 Structure and B2 Durability

For any further information regarding IBuilt roofing and flooring ply please refer to the IBuilt Plywood Brochure or contact the IBuilt technical team on 0800 052 352.



NZWOOD

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