



## PlyFloor F11 Structural

bbi PlyFloor F11 Structural is manufactured from Radiata Pine using a Super E0 WBP A Bond Exterior Phenol-Formaldehyde glue. bbi PlyFloor is designed for use as a flooring substrate as well as an ideal substrate under roofing. Certified to AS/NZS 2269 to a strength grade of F11 gives you the assurance of the structural integrity along with the knowledge that this is a product designed for use in New Zealand.

A plastic tongue and groove makes for easy joining of the product over joists and means that no support is needed on these joins unless otherwise specified by the engineer. bbi PlyFloor shall always be laid perpendicular to the joists to ensure maximum strength.

Available both Untreated and H3.2 Treated, when using bbi PlyFloor that has been H3.2 treated you must seal any cut edges with a brush on remedial treatment.

Applications include residential or commercial flooring, flooring in wet areas, such as bathrooms toilets or kitchens, roofing, wall linings, general industrial applications, and flooring for mezzanine floors.

All fasteners used must be corrosion resistant to the appropriate specification level depending on the end use; a life expectancy of 15 to 50 years should be considered.

When fixing bbi PlyFloor it is important that you use glue and screws to minimize the potential chance of squeaking. Mechanical fixings must be either annular grooved stainless steel nails 50mm long or stainless steel screws at least 50mm in length. Fixings should be at 150mm centres at all points of contact with the framing.

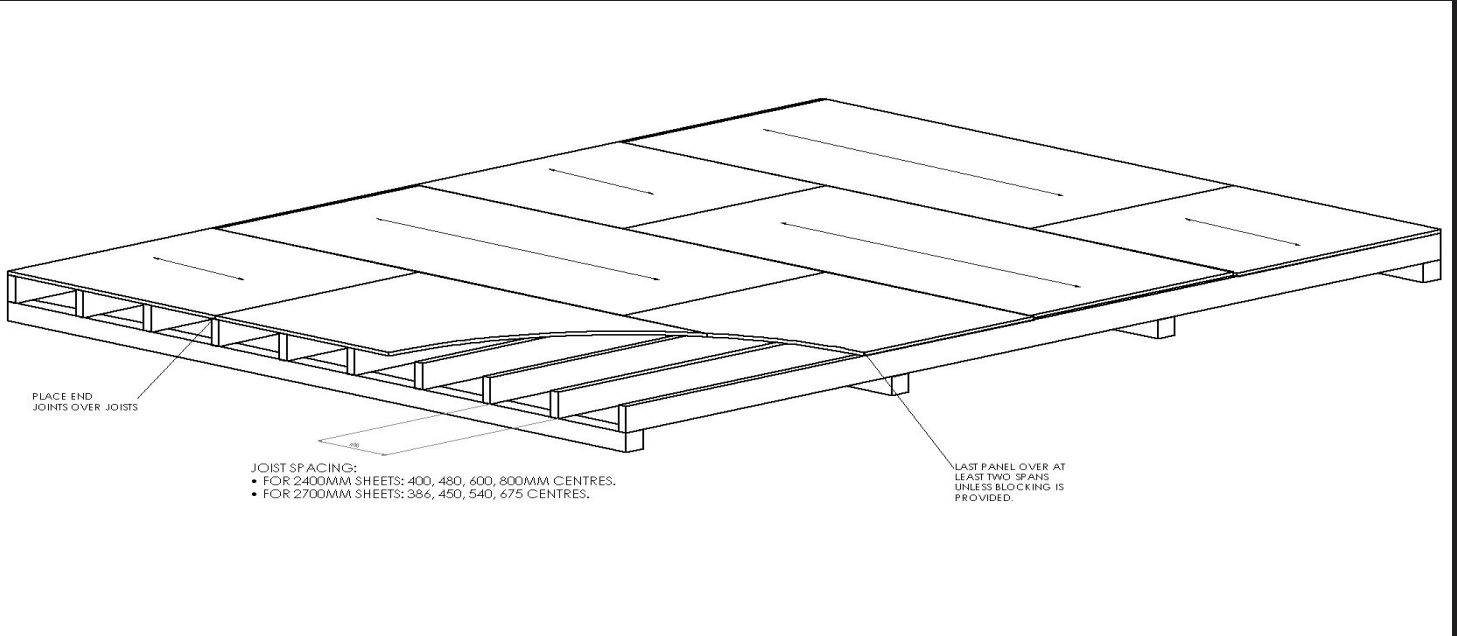
Always allow an expansion gap when installing bbi PlyFloor. This gap will depend on the size of the floor but at least a 3mm gap is suitable for most applications.



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Sheet Size	Thickness
2400 x 1200 mm	19, 21 mm
2700 x 1200 mm	19 mm

Flooring Layout



Nominal Strengths of bbi PlyFloor F11 Flooring Plywood

Nominal Thickness	ID Code	Weight	Nominal Strengths (Limited State) per mm Width							
			Parallel to Face Grain				Perpendicular to Face Grain			
			Bending Stiffness EI	Bending Moment fz	Rolling Shear f <sub>l</sub> /Q	Axial Compression f <sub>QA</sub>	Bending Stiffness EI	Bending Moment fz	Rolling Shear f <sub>l</sub> /Q	Axial Compression f <sub>QA</sub>
mm		Pa	kNmm <sup>2</sup>	Nmm	N	N	kNmm <sup>2</sup>	Nmm	N	N
19	19-30-7	99	5,199	1,819	29.5	362	1,548	535	21.9	150
21	21-30-7	108	6,353	2,037	32.3	363	2,283	723	23.8	185