

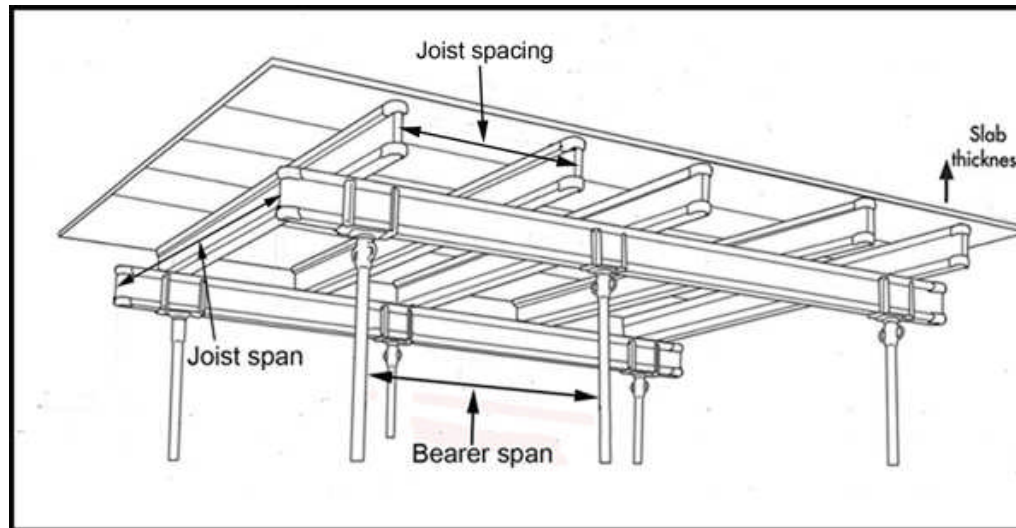
Client: Auswood International Pty Ltd
Load tables for concrete slab thickness & Class of finish

Date: 28 October 2020

Assume concrete density = 2,500 kg/m³ = 24.50 kN/m³
 Concrete weight for slab thickness in kN/m²

Slab thickness	200 mm	250 mm	300 mm	400 mm	450 mm	500 mm	600 mm
Concrete weight	4.90 kN/m ²	6.12 kN/m ²	7.35 kN/m ²	9.80 kN/m ²	11.02 kN/m ²	12.25 kN/m ²	14.70 kN/m ²

Joists at 300 mm centres	200 mm slab		250 mm slab		300 mm slab		450 mm slab		600 mm slab	
	Area	Load kN	Area	Load kN	Area	Load kN	Area	Load kN	Area	Load kN
Joist span 0.5 m	0.15 m ²	0.73 kN	0.15 m ²	0.91	0.15 m ²	1.10 kN	0.15 m ²	1.65 kN	0.15 m ²	2.20 kN
Joist span 1.0 m	0.30 m ²	1.47 kN	0.30 m ²	1.83 kN	0.30 m ²	2.20 kN	0.30 m ²	3.30 kN	0.30 m ²	4.41 kN
Joist span 1.5 m	0.45 m ²	2.20 kN	0.45 m ²	2.75 kN	0.45 m ²	3.30 kN	0.45 m ²	4.95 kN	0.45 m ²	6.61 kN
Joist span 2.0 m	0.60 m ²	2.94 kN	0.60 m ²	3.67 kN	0.60 m ²	4.41 kN	0.60 m ²	6.61 kN	0.60 m ²	8.82 kN
Joist span 2.5 m	0.75 m ²	3.67 kN	0.75 m ²	4.59 kN	0.75 m ²	5.51 kN	0.75 m ²	8.26 kN	0.75 m ²	11.02 kN
Joists at 450 mm centres										
Joist span 0.5 m	0.22 m ²	1.07 kN	0.22 m ²	2.42 kN	0.22 m ²	1.61 kN	0.22 m ²	2.42 kN	0.22 m ²	3.23 kN
Joist span 1.0 m	0.45 m ²	2.20 kN	0.45 m ²	2.75 kN	0.45 m ²	3.30 kN	0.45 m ²	4.95 kN	0.45 m ²	6.61 kN
Joist span 1.5 m	0.67 m ²	3.28 kN	0.67 m ²	4.10 kN	0.67 m ²	4.92 kN	0.67 m ²	7.38 kN	0.67 m ²	9.84 kN
Joist span 2.0 m	0.90 m ²	4.41 kN	0.90 m ²	5.50 kN	0.90 m ²	6.61 kN	0.90 m ²	9.91 kN	0.90 m ²	13.23 kN
Joist span 2.5 m	1.12 m ²	5.48 kN	1.12 m ²	6.85 kN	1.12 m ²	8.23 kN	1.12 m ²	12.3 kN	1.12 m ²	16.46 kN
Joists at 500 mm centres										
Joist span 0.5 m	0.25 m ²	1.22 kN	0.25 m ²	1.53 kN	0.25 m ²	1.83 kN	0.25 m ²	2.75 kN	0.25 m ²	3.67 kN
Joist span 1.0 m	0.50 m ²	2.45 kN	0.50 m ²	3.06 kN	0.50 m ²	3.67 kN	0.50 m ²	5.51 kN	0.50 m ²	7.35 kN
Joist span 1.5 m	0.75 m ²	2.75 kN	0.75 m ²	4.59 kN	0.75 m ²	5.51 kN	0.75 m ²	8.26 kN	0.75 m ²	11.02 kN
Joists at 600 mm centres										
Joist span 0.5 m	0.30 m ²	1.47 kN	0.30 m ²	1.83 kN	0.30 m ²	2.20 kN	0.30 m ²	3.30 kN	0.30 m ²	4.14 kN
Joist span 1.0 m	0.60 m ²	2.94 kN	0.60 m ²	3.67 kN	0.60 m ²	4.41 kN	0.60 m ²	6.61 kN	0.60 m ²	8.82 kN
Joist span 1.5 m	0.90 m ²	4.41 kN	0.90 m ²	5.50 kN	0.90 m ²	6.61 kN	0.90 m ²	9.91 kN	0.90 m ²	13.23 kN



CLASS 2 CONCRETE

Class 2 based on F17 plywood supported continuously over 3 or more spans with Formface deflection being the lesser of span/270 or 3 mm.

Joist spacing 300 mm centres	200 mm slab Joist span 0.5 m	250 mm slab Joist span 0.5 m	300 mm slab Joist span 0.5 m
Joist spacing 450 mm centres			
Joist spacing 500 mm centres			
Joist spacing 600 mm centres			

CLASS 3 CONCRETE

Prop WLL = 17 kN — Loads in **red** indicate prop nominal slab load in excess of prop WLL.

Bearer span	Joist span	Bearer joist area	Slab thickness — bearer prop loads				
			200 mm	250 mm	300 mm	450 mm	600 mm
1.5 m 2 props for bearer span x 2 bearers per joist span			4.90 kN/m ²	6.12 kN/m ²	7.35 kN/m ²	11.02 kN/m ²	14.70 kN/m ²
	0.5 m	0.75 m ²	3.67 kN	4.59 kN	5.51 kN	8.16 kN	11.02 kN
	1.0 m	1.50 m ²	7.35 kN	9.18 kN	11.02 kN	16.53 kN	22.05 kN
	1.5 m	2.25 m ²	11.02 kN	13.77 kN	16.63 kN	24.79 kN	33.07 kN
2.0 m 2 props for bearer span x 2 bearers per joist span			4.90 kN/m ²	6.12 kN/m ²	7.35 kN/m ²	11.02 kN/m ²	14.70 kN/m ²
	0.5 m	1.0 m ²	4.90 kN	6.12 kN	7.35 kN	11.02 kN	14.70 kN
	1.0 m	2.0 m ²	9.80 kN	12.24 kN	14.70 kN	22.04 kN	29.40 kN
	1.5 m	3.0 m ²	14.70 kN	18.36 kN	22.05 kN	33.06 kN	44.10 kN

Class 3 Formface deflection is based on span /270 or 3 mm is limited by bearer span which is further limited by prop load capacity.

Load tables prepared by:



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