

Load/Span Tables for All Flooring Products (indicative only).
Product Data Sheet
Flat Slab Load/Span Table

 Unfactored maximum superimposed live load (Q_s) in kilopascals (kPa), (assuming no superimposed dead load ie. $SDL = 0\text{kPa}$).

75mm of 25MPa topping concrete

Flat Slab depth (mm)	Self wt (kPa)	Simply supported span (m)												
		3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
75	3.8	19.0	15.0	11.6	8.4	7.0	5.7	4.4						
100	4.4		20.0	15.5	12.0	9.7	7.6	6.0	4.7	3.7				
125	5.0				15.6	12.2	9.7	7.7	6.1	4.8	3.8	2.9		
150	5.6					14.8	11.7	9.4	7.5	6.0	4.8	3.7	2.9	2.1

Note: Indicates propping not required for these spans.

75mm Flat Slab

Topping depth (mm)	Self wt (kPa)	Simply supported span (m)										
		3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
65	3.5	17.0	13.0	9.3	7.5	6.0	4.7					
90	4.1			14.0	10.2	7.9	6.6	5.0	4.0			
100	4.4					10.0	7.0	6.0	4.6	3.5	2.8	
125	5.0						9.0	8.0	6.0	4.0	3.5	2.3

Rib & In-fill. Ribs spaced at 900mm centres

 Unfactored maximum superimposed live load (Q_s) in kilopascals (kPa), (assuming no superimposed dead load ie. $SDL = 0\text{kPa}$).

75mm of 25MPa topping concrete on rough sawn 25mm thick pinus radiata timber in-fills

Rib depth (mm)	Self wt (kPa)	Simply supported span (m)														
		4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10	11	12	13	14
100	2.6	10.3	7.0	6.0	4.0	3.5	2.0									
125	2.8		10.8	7.6	6.7	5.5	4.3	3.7								
150	2.9				8.3	6.4	5.5	4.8	4.0	3.5						
175	3.0						8.4	6.4	5.5	4.8	4.0	2.5				
200	3.2							8.8	7.3	6.3	5.5	4.0	2.5			
225	3.3								9.0	7.8	6.5	4.5	3.0			
250	3.5									8.9	8.0	6.0	4.0	3.0		
275	3.5										9.5	7.0	5.0	3.5	2.5	
300	3.7											8.5	6.5	4.5	3.5	2.0

Hollowcore

 Unfactored maximum superimposed live load (Q_s) in kilopascals (kPa), (assuming no superimposed dead load ie. $SDL = 0\text{kPa}$).

Unpropped and free of filled cores, beyond Figs C18 NZS3101:Part 2:2006, for added shear capacity to the left of the solid line.

75mm of 25MPa topping concrete

Hollowcore depth (mm)	Self wt (kPa)	Simply supported span (m)																
		5.5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
150 Echo	4.0	11.0	9.6	7.2	5.4	4.8												
200 Echo	4.5			11.0	8.0	6.0	4.6	3.7										
200 Elematic	4.2			10.7	7.8	5.8	4.5	4.0	2.9									
300 Echo	5.5						10.3	8.1	7.1	6.2	5.0	5.0	3.9					
300 Elematic	5.2						8.5	7.2	5.5	4.7	3.6	4.9	3.7					
400 Echo	6.3									8.9	7.7	6.5	5.7	4.6	3.6	3.1		
400 Elematic	6.2										8.1	7.2	6.4	5.5	4.9	3.8		

Notes: Echo equipment is usually located in Auckland

Elematic equipment is usually located in Otaki and Christchurch

Double Tee

 Unfactored maximum superimposed live load (Q_s) in kilopascals (kPa), (assuming no superimposed dead load ie. $SDL = 0\text{kPa}$).

Unpropped to the left of the solid line.

75mm of 25MPa topping concrete

Double Tee depth (mm)	Self wt (kPa)	Simply supported span (m)																
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
200	3.5	14.0	8.0	4.7	3.7													
250	3.7		12.5	7.5	6.4	4.8	3.4											
300	3.9			12.9	9.1	6.9	5.3	4.0										
350	4.1				11.7	9.5	7.1	5.3	4.1	3.2								
400	4.4					12.0	9.1	6.9	5.8	4.6	3.7							
450	4.6					13.0	10.5	9.2	7.4	5.8	4.5	4.1	2.7					
500	4.8						12.8	9.9	8.1	7.1	6.1	5.0	4.2	3.3	2.6			
550	5.0							14.0	11.2	9.0	7.3	5.9	4.8	4.0	3.3	2.6		
600	4.8								12.5	10.1	8.2	6.7	5.4	4.3	3.5	2.7		