

Flood Superwideslab®

SAFE LOAD TABLE FOR PROPPED FLOOD SUPER WIDESLAB®

Precast Slab Depth (mm)	Screed Depth (mm)	Total Depth (mm)	Super-Imposed Unfactored Live Load kN/m ²								
			1.5kN/m ²	2kN/m ²	2.5kN/m ²	3kN/m ²	3.5kN/m ²	4kN/m ²	5kN/m ²	6kN/m ²	7kN/m ²
			Effective Spans (m)								
100	75	175	6.65	6.65	6.65	6.65	6.65	6.65	6.45	6.10	5.80
100	100	200	7.60	7.60	7.60	7.60	7.60	7.40	7.00	6.70	6.40
100	125	225	8.60	8.60	8.40	8.20	8.00	7.90	7.60	7.30	7.05
100	150	250	9.00	9.00	8.80	8.60	8.40	8.20	7.95	7.70	7.45
125	75	200	7.60	7.60	7.60	7.60	7.60	7.40	7.00	6.70	6.40
125	100	225	8.60	8.60	8.40	8.20	8.00	7.90	7.60	7.30	7.05
125	125	250	9.00	9.00	8.80	8.60	8.40	8.20	7.95	7.70	7.45
150	75	225	8.60	8.60	8.40	8.20	8.00	7.90	7.60	7.30	7.05
150	100	250	9.00	9.00	8.80	8.60	8.40	8.20	7.95	7.70	7.45

SAFE LOAD TABLE FOR UNPROPPED FLOOD SUPER WIDESLAB®

Precast Slab Depth (mm)	Screed Depth (mm)	Total Depth (mm)	Super-Imposed Unfactored Live Load kN/m ²								
			1.5kN/m ²	2kN/m ²	2.5kN/m ²	3kN/m ²	3.5kN/m ²	4kN/m ²	5kN/m ²	6kN/m ²	7kN/m ²
			Effective Spans (m)								
100	75	175	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
100	100	200	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
100	125	225	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
100	150	250	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
125	75	200	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
125	100	225	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
125	125	250	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
150	75	225	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
150	100	250	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Notes

1. Values are obtained from using a maximum 23 No. 9.3mm Strands in our 2.40m Flood Super Wideslab® and based on 25mm cover to the prestressing strands.
2. Limitations of span/depth - 38 for occupancy comfort.
3. The Table shows typically supported effective spans in metres. Where continuity is available over the supports the effective span can be increased from the values shown (Consult the Flood Precast Technical Office)
4. These values are based on a Flood Super Wideslab® system which requires structural propping in the temporary condition.
5. Spans in excess of 7.5m on Propped Super Wideslab® table will a single propline in place prior to erecting slab. Spans in excess of 8m will require 2 lines of propping in place prior to erecting slab. These props should be set to form minimum camber of 1mm per 1m length of span.
6. Values shown are for guidance. Consult Flood Precast Technical office regarding specific design queries.