# FloodSupervoidslab®

## SAFE LOAD TABLE FOR PROPPED SUPER VOIDSLAB®

| Precast Slab Depth (mm) | Screed Depth (mm) | Total Depth (mm) | Super-Imposed Unfactored Live Load kN/m² | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | 1.5kN/m² | 2kN/m² | 2.5kN/m² | 3kN/m² | 3.5kN/m² | 4kN/m² | 5kN/m² | 6kN/m² | 7kN/m² |
| | | | Effective Spans (m) | | | | | | | | |
| 100 | 150 | 250 | 9.00 | 8.80 | 8.50 | 8.30 | 8.10 | 7.80 | 7.50 | 7.20 | 7.00 |
| 100 | 175 | 275 | 9.50 | 9.20 | 9.00 | 8.80 | 8.60 | 8.40 | 8.00 | 7.70 | 7.40 |
| 100 | 200 | 300 | 9.80 | 9.60 | 9.30 | 9.10 | 8.90 | 8.70 | 8.40 | 8.10 | 7.80 |
| 100 | 225 | 325 | 10.10 | 9.80 | 9.60 | 9.40 | 9.20 | 9.00 | 8.70 | 8.40 | 8.20 |
| 100 | 250 | 350 | 10.30 | 10.00 | 9.80 | 9.60 | 9.50 | 9.30 | 9.00 | 8.70 | 8.50 |

## Notes

1. Values are obtained from using a maximum 23 No. 9.3mm Strands in our 2.40m wide slab 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 wideslab system which requires structural propping in the temporary condition.

5. Area of void formers is based on 4no rows of void formers 400mm wide on a 2.4m wide slab. The depth of void former is based on overall slab depth minus 100mm plate at bottom and minum 75mm on concrete over top of void former.

6. Spans in excess of 7.5m will require 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.

7. Values shown are for guidence. Consult Flood Precast Technical office regarding specific design queries.