

## Flood Superwideslab®

Flood Superwideslab® Precast Concrete Flooring combines the advantages of Hollowcore Flooring with the advantages of Omnia Flooring.



### Flood Superwideslab® Benefits:

- Faster installation.
- High quality soffit finish.
- Spans in two directions.
- Thermal mass and natural ventilation.
- Reduction in building height.
- Can be used to construct a flat slab with no down stand beams.
- Openings can be easily accommodated.
- Better sound insulation system.
- Awkward shapes are easily accommodated.
- Solid slab with no cores.
- Heavy loads.
- Immediate working platform for other trades.
- Reduced beam depth.
- Less soffit joints.
- Cast in lifting.

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## SAFE LOAD TABLE FOR PROPPED Flood Superwideslab®

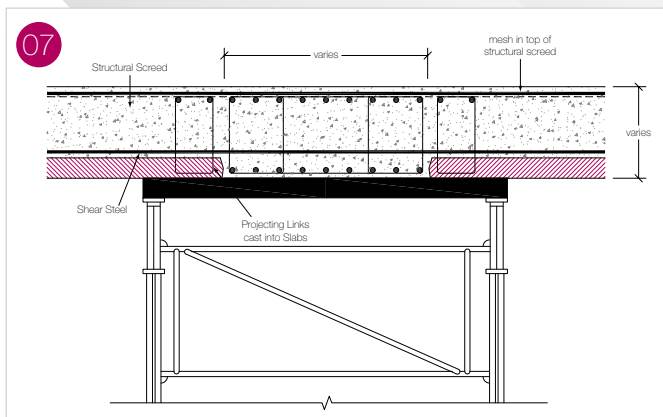
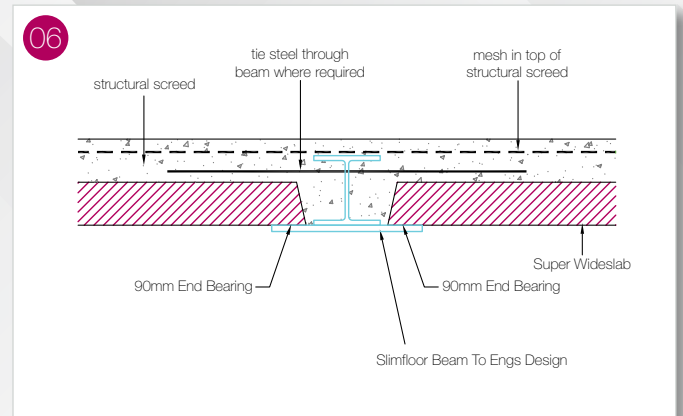
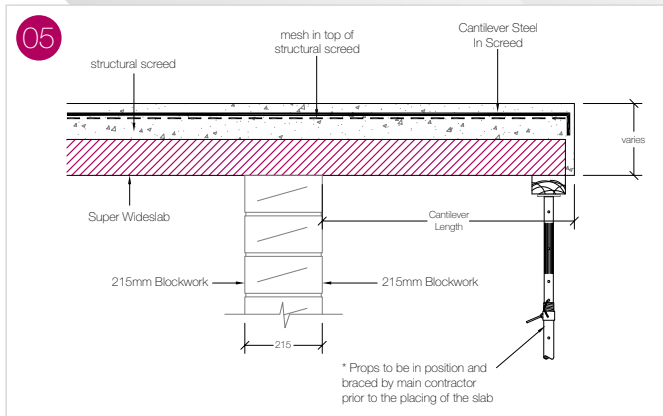
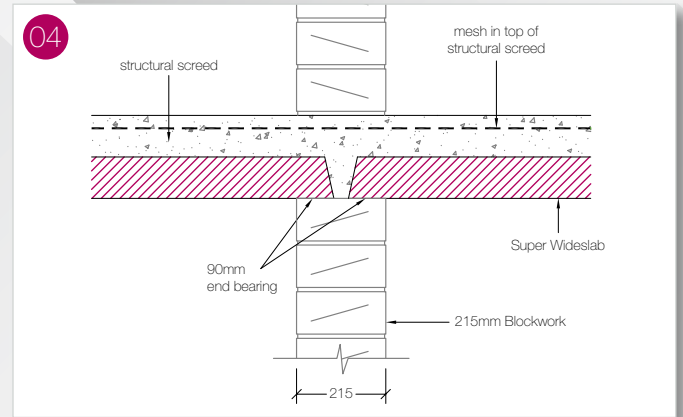
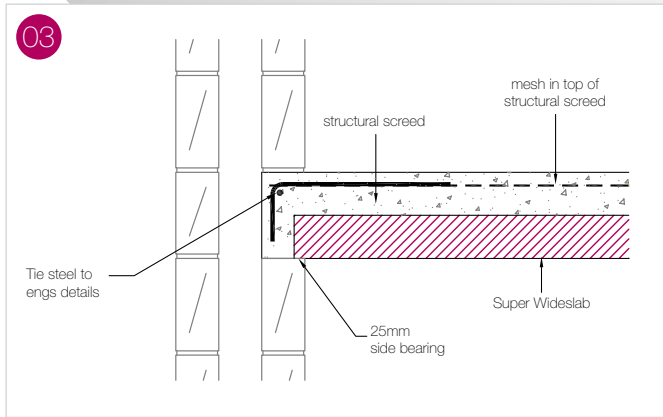
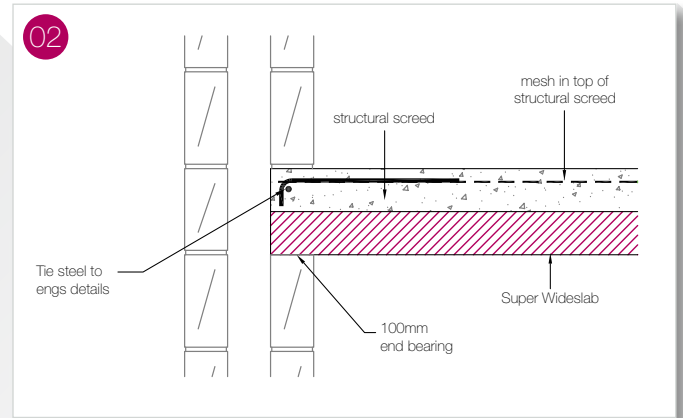
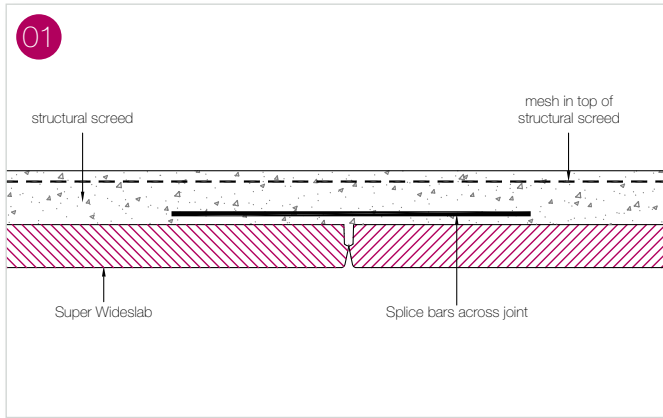
Precast Slab Depth (mm)	Screed Depth (mm)	Total Depth (mm)	Super-Imposed Unfactored Live Load kN/m²								
			1.5kN/m²	2kN/m²	2.5kN/m²	3kN/m²	3.5kN/m²	4kN/m²	5kN/m²	6kN/m²	7kN/m²
			Effective Spans (m)								
75	75	150	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.50	5.20
75	100	175	6.65	6.65	6.65	6.65	6.65	6.65	6.45	6.10	5.80
75	125	200	7.60	7.60	7.60	7.60	7.60	7.40	7.00	6.70	6.40
75	150	225	8.60	8.60	8.40	8.20	8.00	7.90	7.60	7.30	7.05
75	175	250									
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 Superwideslab®

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)								
75	75	150	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
75	100	175	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
75	125	200	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
75	150	225	8.60	8.60	8.40	8.20	8.00	7.90	7.60	7.30	7.05
75	175	250									
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 Superwideslab® 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 Superwideslab® system which requires structural propping in the temporary condition.
5. Spans in excess of 7.5m on Propped Flood Superwideslab® table 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.
6. Values shown are for guidance. Consult Flood Precast Technical office regarding specific design queries.



## FloodSuperwideslab®

- 01. Typical joint at adjoining slabs.
- 02. Typical end bearing detail.
- 03. Typical side bearing detail.
- 04. Typical end bearing detail 215mm Internal Blockwall.
- 05. Typical cantilever detail.
- 06. Typical end bearing detail Slimfloor Beam.
- 07. Flat Slab Details.

# FloodSuperwideslab®

- Flood Superwideslab® is a 2.4m wide prestressed composite flooring solution.
- Available in depths from 75mm to 175mm and when combined with a structural topping is an excellent structural flooring solution for spans up to 9.5m.
- Wet cast onto high quality steel beds and offers an exceptionally high quality soffit finish which can be left exposed or painted.
- Can be provided with cast-in projecting lattice girder.
- Can span in two directions by casting-in reinforcement steel perpendicular to the prestressing strands making it an excellent solution when catering for disproportionate collapse design.



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