

stresslite

precast solutions
for all levels of construction

wide slab

The **Stresslite Wide Slab** is a precast composite floor system in 2.4m sections, which can accommodate span up to 12m. Wide slab flooring is fast becoming the preferred choice of precast flooring for both contractors and engineers due to its structural properties and its erection speed.

Stresslite Wide Slab is a highly adaptive and easily erected floor that responds well to site needs. It can meet almost any structural requirements, adapting to a variety of specific needs. These include benefits derived from long clear spans or larger panels that reduce the number of columns or joints.



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BENEFITS OF USING WIDE SLAB:

- **Fast erection** 1500m² can be fitted per day
- High quality **surface finish**
- Can be designed to carry **heavy loadings**
- Can **incorporate** tie and up-stand **beams**
- **Just-in-time** delivery/erection
- Allows greater **flexibility** of layout
- Longer spans/heavier loadings can be achieved by providing **continuity reinforcement**
- Can be used in all types of frame construction, steel, precast or insitu
- Excellent **fire resistance**
- Provision for tying requirements of progressive collapse can be easily and economically achieved



TECHNICAL INFORMATION

WIDE SLAB

FLOOR TOTAL DEPTH	PLATE DEPTH	TOPPING DEPTH	FLOOR SELF WEIGHT	NSITU CONCRETE VOLUME	APPLIED LOAD							
					kN/m ²							
mm	mm	mm	kN/m ²	m ³ /m ²	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5
150	80	70	3.66	0.07	8.3	7.9	7.6	7.3	7.0	6.5	6.0	5.5
200	80	120	4.88	0.12	9.6	9.2	8.9	8.6	8.3	7.8	7.4	6.7
250	80	170	6.10	0.17	9.3	9.2	9.1	9.0	8.8	8.3	7.9	7.0

IMPORTANT: This table is only a guide and should be checked against consultant engineer's requirements



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