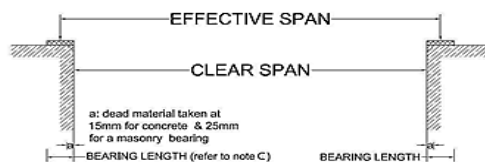


350mm PRESTRESSED CONCRETE SLAB 09.0812-09 - SAFE LOAD TABLE								21/03/2018
Self Weight 648Kg/m - SAFE LOADS are exclusive of self weight								
EFFECTIVE SPAN (see fig A for explanation)		PRELIMINARY UNIFORM SAFE LOAD (0 infilled holes)	SHEAR 0 INFILLED HOLES	BEARING 0 INFILLED HOLES	PRELIMINARY UNIFORM SAFE LOAD (2 infilled holes)	SHEAR* 2 INFILLED HOLES	BEARING 2 INFILLED HOLES	9mm TOP WIRES
meters	feet	Kg/m ²	T/panel	mm	Kg/m ²	T/panel	mm	
3.0	9'10"	8,522	15.34	75	11,411	20.54	75	-
3.5	11'6"	7,210	15.14	75	9,686	20.34	75	-
4.0	13'1"	6,225	14.94	75	8,392	20.14	75	-
4.5	14'9"	5,459	14.74	75	6,553	19.94	75	-
5.0	16'5"	4,847	14.54	75	5,198	19.74	75	-
5.5	18'0"	4,195	14.34	75	4,195	19.54	75	-
6.0	19'8"	3,432	14.14	75	3,432	19.34	75	-
6.5	21'4"	2,839	13.94	75	2,839	19.14	77	-
7.0	23'0"	2,368	13.74	75	2,368	18.94	79	-
7.5	24'7"	1,988	13.54	75	1,988	18.74	81	-
8.0	26'3"	1,677	13.35	77	1,677	18.55	83	-
8.5	27'11"	1,419	13.15	79	1,419	18.35	85	-
9.0	29'6"	1,203	12.95	81	1,203	18.15	87	-
9.5	31'2"	1,021	12.75	83	1,021	17.95	89	-
10.0	32'10"	865	12.55	85	865	17.75	91	-
10.5	34'5"	730	12.35	87	730	17.55	93	-
11.0	36'0"	614	12.15	89	614	17.35	95	-
11.5	37'9"	512	11.95	91	512	17.15	97	-
12.0	39'4"	423	11.75	93	423	16.95	99	-
12.5	41'0"	345	11.55	95	345	16.75	101	-
13.0	42'8"	275	11.35	97	275	16.55	103	-
13.5	44'4"	213	11.15	99	213	16.35	105	-
14.0	45'11"	157	10.95	101	157	16.15	107	-

Max. length produced: 8.5m
Please consult GMF for slabs 9m and over.

Notes to Periti:

- (A) Load tables conforming to MSA EN 1992-1-2 Eurocode 2: Design of concrete structures - Part 1-1: General with both the safe load values satisfying the serviceability limit state (SLS)
- (B) For HC slabs resting on beams, filling of hollows in C30 concrete at supports is recommended.
- (C) The min. bearing of HC slabs as per table above is to be 75mm up to a max. of 115mm depending on the loads & strength C30 of suletta.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Lengths of slabs longer than 9m to have additional 2 wires of 9 in the top corners
- * For enhanced shear values each infilled hole has an additional shear value given at 2.60T/hole. Length of infill is to be determined by the project *Perit*.



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Concrete grade: C35/45
 AREA: 0.270 Sq.m
 HOLE AREA: 0.0342 Sq.m
 WEIGHT/m: 648 Kg/m
 Dwc: 406 mm
 Ixc: 371.751cm⁴
 Yc: 180mm
 Ybc: 170mm

