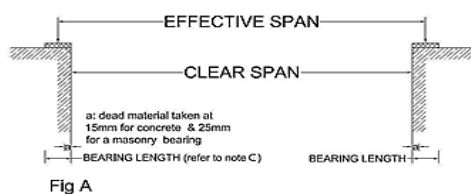


350mm PRESTRESSED CONCRETE SLAB 09.0812-29 - SAFE LOAD TABLE								01/08/2021
Self Weight 648Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)								
EFFECTIVE SPAN (see fig A for explanation)		PRELIMINARY UNIFORM SAFE LOAD (0 in-filled holes)	SHEAR 0 INFILLED HOLES	BEARING 0 INFILLED HOLES	PRELIMINARY UNIFORM SAFE LOAD (2 in-filled 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	9,347	20.34	75	-
4.0	13'1"	6,225	14.94	75	7,020	20.14	75	-
4.5	14'9"	5,425	14.75	75	5,425	19.95	75	-
5.0	16'5"	4,284	14.54	75	4,284	19.74	75	-
5.5	18'0"	3,440	14.34	75	3,440	19.54	75	-
6.0	19'8"	2,798	14.14	75	2,798	19.34	75	-
6.5	21'4"	2,298	13.94	75	2,298	19.14	77	-
7.0	23'0"	1,902	13.74	75	1,902	18.94	79	-
7.5	24'7"	1,582	13.54	75	1,582	18.74	81	-
8.0	26'3"	1,320	13.35	77	1,320	18.55	83	-
8.5	27'11"	1,103	13.15	79	1,103	18.35	85	2
9.0	29'6"	921	12.95	81	921	18.15	87	2
9.5	31'2"	768	12.75	83	768	17.95	89	2
10.0	32'10"	636	12.55	85	636	17.75	91	2
10.5	34'5"	523	12.35	87	523	17.55	93	2
11.0	36'0"	425	12.15	89	425	17.35	95	2
11.5	37'9"	340	11.95	91	340	17.15	97	2
12.0	39'4"	265	11.75	93	265	16.95	99	2
12.5	41'0"	198	11.55	95	198	16.75	101	2
13.0	42'8"	140	11.35	97	140	16.55	103	2
13.5	44'4"	87	11.15	99	87	16.35	105	2

Notes to Periti: Refer also to guidelines: www.gmfprecast.com

- (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, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *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
 Bw: 406 mm
 Ixx: 371.751 cm⁴
 Yt: 170mm
 Yb: 180mm

