

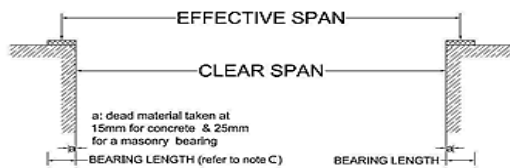
**350mm PRESTRESSED CONCRETE SLAB 09.1412-29 - SAFE LOAD TABLE** 01/08/2021

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 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 <sup>2</sup>	T/panel	mm	Kg/m <sup>2</sup>	T/panel	mm	
3.0	9'10"	10,111	18.20	100	13,000	23.40	100	2
3.5	11'6"	8,572	18.00	100	11,048	23.20	100	2
4.0	13'1"	7,417	17.80	100	9,584	23.00	100	2
4.5	14'9"	6,519	17.60	100	8,445	22.80	100	2
5.0	16'5"	5,800	17.40	100	7,533	22.60	100	2
5.5	18'0"	5,212	17.20	100	6,583	22.40	100	2
6.0	19'8"	4,722	17.00	100	5,439	22.20	100	2
6.5	21'4"	4,308	16.80	100	4,548	22.00	100	2
7.0	23'0"	3,842	16.60	100	3,842	21.80	100	2
7.5	24'7"	3,272	16.40	100	3,272	21.60	100	2
8.0	26'3"	2,806	16.20	100	2,806	21.40	100	2
8.5	27'11"	2,419	16.00	100	2,419	21.20	100	2
9.0	29'6"	2,095	15.80	100	2,095	21.00	100	2
9.5	31'2"	1,821	15.61	100	1,821	20.81	100	2
10.0	32'10"	1,587	15.41	100	1,587	20.61	100	2
10.5	34'5"	1,385	15.21	100	1,385	20.41	100	2
11.0	36'0"	1,211	15.01	100	1,211	20.21	100	2
11.5	37'9"	1,059	14.81	100	1,059	20.01	101	2
12.0	39'4"	925	14.61	100	925	19.81	103	2
12.5	41'0"	807	14.41	100	807	19.61	105	2
13.0	42'8"	674	14.21	100	674	19.41	107	2
13.5	44'4"	560	14.01	102	560	19.21	109	2
14.0	45'11"	459	13.81	104	459	19.01	111	2
14.5	47'7"	370	13.61	106	370	18.81	113	2
15.0	49'3"	292	13.41	108	292	18.61	115	2
15.5	50'10"	222	13.21	110	222	18.41	117	2
16.0	52'6"	159	13.02	112	159	18.22	119	2
16.5	54'2"	103	12.82	114	103	18.02	121	2

**Notes to Periti:** Refer also to guidelines: [www.gmfprecast.com](http://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 100mm up to a max. of 135mm 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*.



**350**

Concrete grade: C35/45  
 AREA: 0.270 Sq.m  
 HOLE AREA: 0.0342 Sq.m  
 WEIGHT/m: 648 Kg/m  
 Bw: 406 mm  
 Ixx: 371,751cm<sup>4</sup>  
 Yt: 170mm  
 Yb: 180mm

