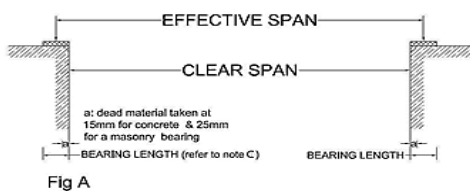


250mm PRESTRESSED CONCRETE SLAB 29.512-00 - SAFE LOAD TABLE 01/08/2021
Self Weight 358Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)

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 ²	T/panel	mm	Kg/m ²	T/panel	mm	
3.0	9'10"	4,195	7.55	75	5,828	10.49	75	-
3.5	11'6"	3,543	7.44	75	4,943	10.38	75	-
4.0	13'1"	3,054	7.33	75	4,279	10.27	75	-
4.5	14'9"	2,678	7.23	75	3,767	10.17	75	-
5.0	16'5"	2,373	7.12	75	3,091	10.06	75	-
5.5	18'0"	2,124	7.01	75	2,500	9.95	75	-
6.0	19'8"	1,917	6.90	75	2,050	9.84	75	-
6.5	21'4"	1,701	6.79	75	1,701	9.73	75	-
7.0	23'0"	1,423	6.69	75	1,423	9.63	75	-
7.5	24'7"	1,119	6.58	75	1,119	9.52	75	-
8.0	26'3"	1,016	6.47	75	1,016	9.41	75	-
8.5	27'11"	864	6.36	75	864	9.30	75	-
9.0	29'6"	737	6.25	75	737	9.19	75	2
9.5	31'2"	629	6.15	75	629	9.09	76	2
SPANS BELOW TO APPLY SHED TYPE ROOFING ONLY								
10.0	32'10"	537	6.04	75	537	8.98	78	2
10.5	34'5"	458	5.93	77	458	8.87	80	2
11.0	36'0"	389	5.82	79	389	8.76	82	2
11.5	37'9"	330	5.71	81	330	8.65	84	2
12.0	39'4"	277	5.61	83	277	8.55	86	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 100mm 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*.



250
 ht: 250mm
 AREA: 0.146 Sq.m
 HOLE AREA: 0.0240 Sq.m
 WEIGHT/m: 358Kg/m
 Bw: 276 mm
 lxx: 116,592cm²
 Yt: 125mm
 Yb: 125mm

