

200mm PRESTRESSED CONCRETE SLAB 29.512-00 - SAFE LOAD TABLE
 Self Weight 293Kg/m - SAFE LOADS are exclusive of self weight (60mins fire resistance) 10/05/2018

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"	2,989	5.38	75	4,333	7.80	75	-
3.5	11'6"	2,519	5.29	75	3,672	7.71	75	-
4.0	13'1"	2,167	5.20	75	3,175	7.62	75	-
4.5	14'9"	1,896	5.12	75	2,793	7.54	75	-
5.0	16'5"	1,677	5.03	75	2,407	7.45	75	-
5.5	18'0"	1,497	4.94	75	1,945	7.36	75	-
6.0	19'8"	1,347	4.85	75	1,593	7.27	75	-
6.5	21'4"	1,223	4.77	75	1,319	7.19	75	-
7.0	23'0"	1,102	4.68	75	1,102	7.10	75	-
7.5	24'7"	927	4.59	75	927	7.01	75	-
8.0	26'3"	783	4.50	75	783	6.92	75	-
8.5	27'11"	665	4.42	75	665	6.84	75	-
SPANS BELOW TO APPLY SHED TYPE ROOFING ONLY								
9.0	29'6"	565	4.33	75	565	6.75	75	2
9.5	31'2"	481	4.24	75	481	6.66	75	2
10.0	32'10"	409	4.15	75	409	6.57	75	2
10.5	34'5"	347	4.06	75	347	6.48	77	2
11.0	36'0"	293	3.98	76	293	6.40	79	2

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 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.
- (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 1.21T/hole. Length of infill is to be determined by the project *Perit*.

