525mm PRESTRESSED CONCRETE SLAB 09.1412-29 - SAFE LOAD TABLE

Self Weight 1051Kg/m - SAFE LOADS are exclusive of self weight

20/09/2018

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"	16,517	26.76	100	20,539	34.00	100	2
3.5	11'6"	14,005	26.47	100	17,453	33.71	100	2
4.0	13'1"	12,121	26.18	100	15,138	33.42	100	2
4.5	14'9"	10,659	25.90	100	13,341	33.14	100	2
5.0	16'5"	9,487	25.61	100	11,900	32.85	100	2
5.5	18'0"'	8,530	25.34	100	10,724	32.58	100	2
6.0	19'8"	7,731	25.05	100	9,742	32.29	100	2
6.5	21'4"	7,054	24.76	100	8,910	32.00	100	2
7.0	23'0"	6,476	24.48	100	7,737	31.72	100	2
7.5	24'7"	5,973	24.19	100	6,618	31.43	100	2
8.0	26'3"	5,536	23.91	100	5,702	31.15	101	2
8.5	27'11"	4,581	23.63	100	4,581	30.87	103	2
9.0	29'6"	4,308	23.34	100	4,308	30.58	105	2
9.5	31'2"	3,770	23.06	100	3,770	30.30	107	2
10.0	32'10'	3,310	22.77	100	3,310	30.01	109	2
10.5	34'5"	2,915	22.49	102	2,915	29.73	111	2
11.0	36'0"	2,572	22.20	104	2,572	29.44	113	2
11.5	37'9"	2,273	21.92	106	2,273	29.16	115	2
12.0	39'4"	2,011	21.64	108	2,011	28.88	117	2
12.5	41'0"	1,779	21.35	110	1,779	28.59	119	2
13.0	42'8"	1,574	21.06	112	1,574	28.30	121	2
13.5	44'4"	1,391	20.78	114	1,391	28.02	123	2
14.0	45'11"	1,227	20.49	116	1,227	27.73	125	2
14.5	47'7"	1,080	20.21	118	1,080	27.45	127	2
15.0	49'3"	947	19.93	121	947	27.17	129	2
15.5	50'10"	827	19.64	123	827	26.88	131	2
16.0	52'6"	719	19.36	125	719	26.60	133	2
16.5	54'2"	619	19.07	127	619	26.31	135	2
17.0	55'9"	529	18.79	129	529	26.03	137	2
17.5	57'5"	446	18.50	131	446	25.74	139	2
18.0	59'0"	370	18.22	133	370	25.46	141	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 100mm up to a max. of 137.5mm depending on the loads & strength C30 of suletta.

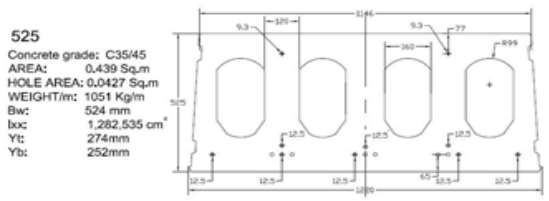
(D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads.

(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 3.62T/hole. Length of infill is to be determined by the project *Perit* .

Fig A



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