PRESTRESSED PREDALLES LOAD TABLE (UNIFORM LOADS - **NOT FOR WHEEL LOADS**)

Predalles Safe Load Table simply supported - min bearing 75mm — Aug-20

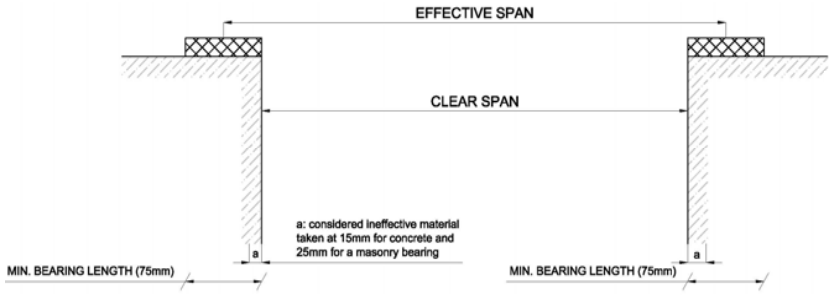
Predalles code	Total depth in mm/No. 3X3 Cables	Cables-area 21.2mm²	Predalles C35/45 thickness	in situ concrete C20/C25 thickness	Total depth mm	Self weight incl. finishes	Loading: Max. effective simply supported span (m) for unfactored superimposed load (kN/m²) shown excluding self-weight + 10cm finishes. Safe loads in bold are dictated by deflection criteria, but still not sufficient to limit cracking for brittle (*masonry*) partitions.													
		3x3	mm	mm	mm	kN/m²	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
70/125/26		26	70	55	125	5.07	6.13	6.01	5.85	5.64	5.39	5.09	***2.51***								
70/125/32		32	70	55	125	5.07	6.13	6.01	5.85	5.64	5.39	5,09	***3.60***								
70/150/32		32	70	80	150	5.67	9.22	9.07	8.86	8.59	8.27	7.88	7.53	***4.59***	***0.91***						
70/150/36		36	70	80	150	5.67	9.22	9.07	8.86	8.59	8.27	7.88	7.53	***5.43***	***1.59***						
70/175/32		32	70	105	175	6.2	12.75	12.56	12.29	11.94	11.51	11.01	10.42	8.15	***4.97***	***1.17***					
70/175/36		36	70	105	175	6.2	12.75	12.56	12.29	11.94	11.51	11.01	10.42	9.52	***5.87***	***1.91***					
100/200/36		36	100	100	200	6.8	15.13	14.99	14.80	14.55	14.24	13.88	13.46	12.56	8.81	***5.84***	***1.86***				
100/200/48		48	100	100	200	6.8	15.13	14.99	14.80	14.55	14.24	13.88	13.46	12.98	12.45	***8.60***	***4.18***	***0.90***			
100/225/36		36	100	125	225	7.50	18.67	18.50	18.25	17.94	17.55	17.10	16.58	15.75	11.28	7.97	5.45	***1.56***			
100/225/48		48	100	125	225	7.50	18.67	18.50	18.25	17.94	17.55	17.10	16.58	15.99	15.33	11.85	***8.27***	***3.97***			
100/250/36		36	100	150	250	8.00	22.34	22.14	21.84	21.47	21.01	20.47	19.84	19.09	13.86	9.99	7.05	4.75	***1.07***		
100/250/48		48	100	150	250	8.00	22.34	22.14	21.84	21.47	21.01	20.47	19.84	19.13	18.34	14.45	10.79	***7.68***	***3.45***		
100/275/36		36	100	175	275	8.60	26.16	25.91	25.57	25.13	24.60	23.97	23.24	22.58	16.56	12.11	8.73	6.09	***4.00***		
100/275/48		48	100	175	275	8.60	26.16	25.91	25.57	25.13	24.60	23.97	23.24	22.41	21.49	17.14	12.95	9.69	***6.91***	***2.79***	
100/300/36		36	100	200	300	9.30	30.10	29.82	29.43	28.93	28.32	27.60	26.77	26.21	19.38	14.33	10.49	7.49	5.12	3.21	
100/300/48		48	100	200	300	9.30	30.10	29.82	29.43	28.93	28.32	27.60	26.77	25.82	24.77	19.93	15.19	11.51	8.58	***5.98***	***2.00***
No of Props							**0**	**1**	**1**	**1**	**1**	1	1	1	2	2	2	2	3	3	3

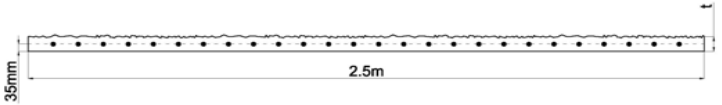
Notes to Periti:

(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) ***HANDLING AND STORAGE :*** Predalles should be lifted by multiple hooks, which should be self-balancing at maximum 500mm from corners. Slab units should be stacked on bearers on firm level ground. Stacks Should not be more than 10 units high and each layer seperataed by bearers at not more than two meters intervals.

(C) ***ERECTION/SEQUENCE OF OPERATIONS*** : Predalles slabs should be lifted from transport directly onto prepared supports. Never walk on unsupported slabs. Once the slabs are in position, any loose reinforcement required by the design, including trimming of holes, continuity reinforcement, top reinforcement over supports etc. is placed together with the provision of longitudinal and transverse ties to ensure compliance with stability requirements of structual eurocode 1. Site in-situ concrete is spread and compacted in position. Temporary supports are removed between 7-14 days after the in-situ concrete is poured. No additional loading is to be imposed on the cast slab prior to the passage of 28 days.





The top surface of the predalle is to be finished rough to provide a good key between predalle and in-situ topping

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