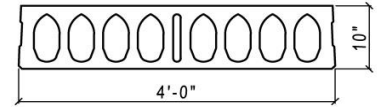




Ultralight Load Table 10" Thick 1.0" Strand Cover



No Structural Topping Dead Load Weight of Slab = 67 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 3 hours				
Section Properties					
A=277 in ²	Yt=4.83 in	b=14.6 in			
I=3238 in ⁴	Yb=5.17 in	wt=67 psf			
ϕM_n ft-k/ft	29.09	38.12	46.75	53.23	63.64
Series	1.0E-10706	1.0E-10708	1.0E-10710	1.0E-10808	1.0E-10810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
16	489				
17	439	489			
18	398	444			
19	352	404	440		
20	313	369	401		
21	279	341	369	394	417
22	250	315	342	364	395
23	225	291	314	337	375
24	202	273	294	310	351
25	182	252	271	290	324
26	165	232	256	269	303
27	149	211	237	252	281
28	135	193	225	236	264
29	123	176	210	222	246
30	111	161	200	208	232
31	101	148	188	198	217
32	92	136	177	185	206
33	83	125	164	177	197
34	75	115	152	167	185
35		105	140	156	173
36		97	130	145	165
37		89	120	134	157
38		82	111	124	148
39		75	103	115	138
40			95	107	128
41			88	99	118
42			81	92	110
43			75	85	103
44				79	96
45				73	89
46				68	83
47					78
48					72

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 92 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 4 hours				
Section Properties					
A=362 in ²	Yt=5.46 in	b=14.6 in			
I=5473 in ⁴	Yb=6.54 in	wt=92 psf			
ϕM_n ft-k/ft	35.34	46.14	56.35	64.3	77.95
Series	1.0E-10706T	1.0E-10708T	1.0E-10710T	1.0E-10808T	1.0E-10810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
18	470				
19	421	442			
20	373	416			
21	332	393			
22	296	372			
23	265	353			
24	238	331			
25	214	300	319		
26	193	272	304		
27	174	247	290		
28	157	225	272	276	
29	141	205	258	264	
30	127	187	239	253	
31		171	224	238	243
32		156	206	226	233
33		143	190	211	224
34		130	173	195	215
35			157	178	207
36			143	162	195
37			130	148	181
38			117	135	165
39				123	152
40				112	139
41				102	128
42					117
43					107
44					98
45					90

Concrete Strength: 6,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax

Camber 1"-1 1/2"
 Camber > 1 1/2"

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