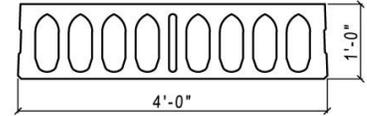




Ultralight Load Table 12" Thick 2.0" Strand Cover



No Structural Topping Dead Load Weight of Slab = 80 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 4 hours				
Section Properties					
A=330 in ²	Yt=5.72 in	b=16.6 in			
I=5442 in ⁴	Yb=6.28 in	wt=80 psf			
ϕM_n ft-k/ft	32.58	42.79	52.6	60.03	73.06
Series	2.0E-12706	2.0E-12708	2.0E-12710	2.0E-12808	2.0E-12810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
18	443				
19	391	496			
20	347	457	494		
21	309	424	457	478	
22	276	382	418	442	485
23	248	344	389	412	449
24	223	311	363	379	413
25	200	282	337	356	386
26	181	256	318	329	358
27	163	233	295	311	337
28	148	213	275	290	315
29	133	194	253	276	297
30	121	178	232	257	278
31	109	162	213	246	265
32	99	149	197	231	248
33	89	136	181	215	237
34		125	167	200	224
35		114	154	185	211
36		105	143	171	203
37		96	132	159	193
38			122	148	180
39			113	137	167
40			104	127	156
41			96	118	145
42				110	135
43				102	126
44					117
45					109
46					101
47					94
48					88

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 105 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 4 hours				
Section Properties					
A=415 in ²	Yt=6.35 in	b=16.6 in			
I=8518 in ⁴	Yb=7.65 in	wt=105 psf			
ϕM_n ft-k/ft	38.83	50.81	62.2	71.08	86.42
Series	2.0E-12706T	2.0E-12708T	2.0E-12710T	2.0E-12808T	2.0E-12810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
19	459	479			
20	406	451			
21	361	426			
22	322	403			
23	288	382			
24	258	362			
25	232	327	345		
26	208	297	329		
27	187	270	314		
28	169	245	300		
29		223	287		
30		203	267	274	
31		185	245	262	
32		169	225	251	
33			207	241	
34			190	229	232
35			175	211	223
36			161	195	215
37				181	207
38				165	199
39				151	185
40					170
41					156
42					143
43					132

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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