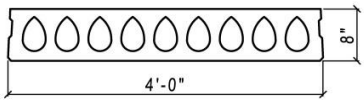
SPANCRETE®
Building Innovation.™

Ultralight Load Table
8" Thick
2.0" Strand Cover



No Structural Topping
Dead Load Weight of Slab = 61 psf

IBC Fire Ratings	Unrestrained 2 hours / Restrained 2 hours

Section Properties

A=251 in² Yt=3.99 in b=15.4 in
I=1817 in⁴ Yb=4.01 in wt= 61 psf

ϕM_n ft-k/ft	14.16	18.63	24.11	29.18	32.68
Series	2.0F-8606	2.0F-8706	2.0F-8708	2.0F-8710	2.0F-8808
Span in Feet	Allowable Superimposed Load In lbs/ft²				
12	446				
13	373	468			
14	315	413	459		
15	269	368	408	445	459
16	231	318	366	397	419
17	199	277	329	358	376
18	173	242	296	322	340
19	150	212	271	293	310
20	131	187	250	269	285
21	115	165	228	248	259
22	100	147	203	227	239
23		130	182	212	222
24		116	164	194	205
25		103	147	183	192
26			133	169	177
27			120	154	168
28			108	140	155
29				128	147
30				116	134
31					122
32					111

2" Bonded Structural Topping
Dead Load Weight of Slab With Topping = 86 psf

IBC Fire Ratings	Unrestrained 3 hours / Restrained 4 hours

Section Properties

A=336 in² Yt = 4.63 in b = 15.4 in
I=3425 in⁴ Yb = 5.27 in wt = 86 psf

ϕM_n ft-k/ft	18.92	24.89	32.12	38.77	43.88
Series	2.0F-8606T	2.0F-8706T	2.0F-8708T	2.0F-8710T	2.0F-8808T
Span in Feet	Allowable Superimposed Load In lbs/ft²				
13	489				
14	418	450			
15	356	415			
16	305	385			
17	263	359			
18	227	320	335		
19	198	280	314		
20		247	295		
21		218	278		
22			263		
23			239	248	
24			214	235	
25				223	
26				212	
27					202
28					193

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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Load tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each specific project