

Safe Load Table

8" x 16" flexicore[®] SECTION
Plus 1 1/2" Structural Topping

MAXIMUM SAFE SUPERIMPOSED ** UNIFORMLY DISTRIBUTED WORKING LOADS IN POUNDS PER SQUARE FOOT OF AREA

Std. Designation	Tensile Steel Area Sq. In.	Simple Slab Clear Spans in Feet With 1 1/2" Topping																				
		10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	25'	26'	27'	28'	29'	29'-6"
WT-148	1.485	679	610	553	505	463	419	359	309	268	233	203	177	155	135	117	103	89	77	66	57	52
WT-123	1.227	679	610	553	472	396	335	286	245	210	181	156	134	116	100	86	73	61	52	43		
WT-111	1.111	679	610	500	415	348	293	249	211	181	154	132	112	96	81	68	57	47	39			
WT- 99	0.994	664	535	438	362	302	253	213	180	153	129	110	92	78	65	53	43					
WT- 92	0.920	615	495	404	334	277	231	195	163	138	116	97	81	67	55	44	35					
WT- 86	0.862	572	460	375	307	255	212	177	149	125	104	87	71	59	47	37						
WT- 80	0.804	528	423	344	282	233	193	161	133	111	92	76	61	50	39							
WT- 75	0.746	492	393	319	261	214	179	149	121	100	81	67	53	42								
WT- 69	0.693	450	359	290	236	193	159	130	107	87	70	56	44									
WT- 64	0.641	414	329	264	214	174	142	116	94	76	60	47	36									
WT- 59	0.589	376	297	238	192	155	125	101	81	64	49	37										
WT- 54	0.543	340	268	213	171	147	119	87	69	53	40											
WT- 49	0.497	303	237	187	149	118	93	72	56	41												
WT- 45	0.451	272	212	166	130	102	79	60	45													
WT- 41	0.411	244	189	146	113	88	67	49	35													

*Minimum 3000 PSI at 28 Days

**Includes the live load plus any dead load that is additional to the weight of the slab and 1 1/2" topping.

Accepted by The Wisconsin Industrial Commission

REMARKS

- Safe loads for greater steel content must not be extrapolated. A. C. I. Code allowables 20,000-1350-10 ($f_c' - 3000$) except for shear $f_c' - 3750$ psi.
- Safe Superimposed

$$W = \frac{6M}{L^2} - 74$$
 (W in lb. per sq. ft. of floor area)
- Table is based on dead load, plus topping and grout of 99 PLF
- Stirrups are needed for all loadings indicated above the stepped dashed line.
- The above tabulated load contemplated a depth, d , to the centroid of the steel of 8.38 in.
- Load computations are in accordance with ACI 711-53 Code.

MOLIN CONCRETE PRODUCTS COMPANY

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