

McNICHOLS® Floor Plate

SPAN = Lengthwise Direction

Thick	Span	12"	18"	24"	30"	36"	42"	48"	54"	60"
1/4"	U	167	34	11						
	Δ U	.120	.125	.125						
	C	104	32	14						
	Δ C	.120	.125	.125						
3/8"	U	562	167	55	23	11				
	Δ U	.120	.180	.188	.188	.188				
	C	351	156	69	35	20				
	Δ C	.120	.180	.188	.188	.188				
1/2"	U	1333	370	167	71	34	18	11		
	Δ U	.120	.180	.240	.250	.250	.250	.250		
	C	833	370	209	111	65	40	27		
	Δ C	.120	.180	.240	.250	.250	.250	.250		
5/8"	U	2600	768	326	167	84	45	27	17	11
	Δ U	.120	.180	.240	.300	.312	.312	.312	.312	.312
	C	1622	723	407	260	157	99	66	47	34
	Δ C	.120	.180	.240	.300	.312	.312	.312	.312	.312
3/4"	U	4499	1333	563	288	167	94	55	34	22
	Δ U	.120	.180	.240	.300	.360	.375	.375	.375	.375
	C	2804	1250	702	450	313	205	138	97	71
	Δ C	.120	.180	.240	.300	.360	.375	.375	.375	.375
1"	U	10,677	3158	1333	682	396	248	167	108	71
	Δ U	.120	.180	.240	.300	.360	.420	.480	.500	.500
	C	6667	2956	1667	1068	740	544	416	305	222
	Δ C	.120	.180	.240	.300	.360	.420	.480	.500	.500

- For allowable loads when sheet is spanning in crosswise direction, multiply table values by 0.55 for 1/4" and .70 for all other thicknesses shown here.

- NOTE: All table values are typical

For All Load Tables on this Page

- C - Concentrated load lbs/ft of width
- Δ C - Deflection under concentrated load
- U - Uniform load lbs/ft²
- Δ U - Deflection under uniform load

FLOOR PLATE THICKNESSES/WEIGHTS

1/8" - 1.41#sf STOCK	1/2" - 4.68#sf SPECIAL
3/16" - 1.71#sf SPECIAL	5/8" - 5.79#sf SPECIAL
1/4" - 2.34#sf STOCK	3/4" - 6.94#sf SPECIAL
3/8" - 3.54#sf SPECIAL	1" - 9.27#sf SPECIAL