

THICK	LBS./SF SOLID	LOAD/ DEFL	CLEAR SPAN										
			12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
3/16"	2.7	U	562	250	141	90	62	46	35	28	22	19	16
		D	0.192	0.431	0.769	1.199	1.712	2.353	3.055	3.914	4.688	5.927	7.069
1/4"	3.5	U	1000	444	250	160	111	82	63	49	40	33	28
		D	0.144	0.324	0.577	0.901	1.297	1.775	2.326	2.898	3.606	4.355	5.234
3/8"	5.2	U	2250	1000	563	360	250	184	141	111	90	74	63
		D	0.096	0.216	0.385	0.600	0.865	1.179	1.541	1.943	2.402	2.891	3.486
1/2"	7.0	U	4000	1778	1000	640	444	327	250	198	160	132	111
		D	0.072	0.162	0.288	0.450	0.647	0.883	1.152	1.461	1.800	2.174	2.589
5/8"	8.7	U	6250	2778	1563	1000	694	510	391	309	250	207	174
		D	0.058	0.130	0.231	0.360	0.518	0.705	0.923	1.168	1.440	1.746	2.079
3/4"	10.5	U	9000	4000	2250	1440	1000	735	563	444	360	298	250
		D	0.048	0.108	0.192	0.300	0.432	0.588	0.769	0.971	1.200	1.454	1.728
7/8"	12.2	U	12250	5445	3063	1960	1361	1000	766	605	490	405	340
		D	0.041	0.093	0.165	0.257	0.370	0.504	0.659	0.833	1.029	1.245	1.480
1"	14.0	U	16000	7111	4000	2560	1778	1306	1000	790	640	529	444
		D	0.036	0.081	0.144	0.225	0.324	0.441	0.576	0.729	0.900	1.089	1.295

U - Uniform Load - Lbs. per Square Foot

D - Deflection - in Inches

- Table values correlate to GRIP TIGHT® Metal Flooring in Aluminum with an Aluminum oxide grit coating.
- Spans and loading values to the left of the bolded black line produce a deflection of 1/4" or less under a uniform load of 100 lbs. per square foot, allowing for safe pedestrian comfort. Span and loading values to the right of the bolded black line are applicable to other types of loads at the discretion of a licensed engineer.
- Loading and deflection values are theoretical and based on a maximum allowable fiber stress of 12,000 PSI, E = 10,000,000 PSI.
- Thickness is added to base metal of 1/16" to 3/16" coating weight resulting in a lbs. per square foot of 0.48.
- Technical information provided is for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Metal Flooring.

♿ ADA compliant product.

