


THICK	LBS./SF SOLID	LOAD/ DEFL	CLEAR SPAN														
			12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
3/16"	8.2	U	750	333	188	120	83	61	47	--	--	--	--	--	--	--	--
		D	0.088	0.198	0.352	0.555	0.795	1.083	1.413	--	--	--	--	--	--	--	--
1/4"	10.7	U	1333	593	333	213	148	109	83	66	53	--	--	--	--	--	--
		D	0.066	0.149	0.265	0.414	0.596	0.812	1.060	1.340	1.656	--	--	--	--	--	--
3/8"	15.8	U	3001	1334	750	480	333	245	188	148	120	99	83	71	61	--	--
		D	0.044	0.099	0.177	0.276	0.397	0.541	0.707	0.893	1.104	1.336	1.589	1.867	2.160	--	--
1/2"	20.7	U	5333	2370	1333	853	593	435	333	263	213	176	148	126	109	95	83
		D	0.033	0.074	0.132	0.207	0.298	0.405	0.529	0.669	0.828	1.002	1.192	1.400	1.620	1.862	2.116
5/8"	26.0	U	8334	3704	2083	1333	926	680	521	412	333	275	232	197	170	148	130
		D	0.026	0.060	0.106	0.166	0.238	0.324	0.424	0.537	0.662	0.802	0.954	1.120	1.296	1.490	1.693
3/4"	31.1	U	12000	5333	3000	1920	1333	980	750	593	480	397	333	284	245	213	188
		D	0.022	0.050	0.088	0.138	0.199	0.270	0.353	0.447	0.552	0.668	0.794	0.933	1.080	1.241	1.411
7/8"	36.2	U	16334	7259	4083	2613	1815	1333	1021	807	653	540	454	387	333	290	255
		D	0.019	0.043	0.076	0.118	0.170	0.232	0.303	0.383	0.473	0.572	0.681	0.800	0.926	1.064	1.209
1"	41.3	U	21333	9481	5333	3413	2370	1741	1333	1053	853	705	593	505	435	379	333
		D	0.017	0.037	0.066	0.103	0.149	0.203	0.265	0.335	0.414	0.501	0.596	0.699	0.810	0.930	1.058

U - Uniform Load - Lbs. per Square Foot

D - Deflection - in Inches

- Table values correlate to GRIP TIGHT® Metal Flooring in Carbon Steel (Painted or Galvanized) 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 16,000 PSI, E = 29,000,000 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.

