


DEPTH (mm)	LBS./LF (kg/m)		LOAD/ DEFL	CLEAR SPAN														
	DIA-VENTED	SOLID		24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	
3/4" (19.1)	2.37 (3.53)	2.75 (4.09)	<b>U</b>	803	514	357	262	201	158	128	--	--	--	--	--	--	--	
			<b>D</b>	0.260	0.406	0.585	0.796	1.042	1.311	1.619	--	--	--	--	--	--	--	--
			<b>C</b>	803	643	535	459	401	357	321	--	--	--	--	--	--	--	--
			<b>D</b>	0.208	0.325	0.468	0.678	0.831	1.054	1.299	--	--	--	--	--	--	--	--
1" (25.4)	2.68 (3.99)	3.06 (4.55)	<b>U</b>	1328	850	590	433	332	262	212	175	147	--	--	--	--	--	
			<b>D</b>	0.199	0.312	0.448	0.610	0.797	1.008	1.299	1.502	1.787	--	--	--	--	--	--
			<b>C</b>	1328	1062	865	759	664	590	531	483	442	--	--	--	--	--	--
			<b>D</b>	0.182	0.249	0.359	0.489	0.638	0.807	0.996	1.206	1.433	--	--	--	--	--	--
1-1/4" (31.8)	2.99 (4.45)	3.36 (5.00)	<b>U</b>	1959	1253	870	639	489	387	313	259	217	185	160	--	--	--	
			<b>D</b>	0.185	0.256	0.369	0.502	0.656	0.882	1.025	1.239	1.473	1.734	2.001	--	--	--	--
			<b>C</b>	1959	1567	1306	1119	979	870	783	712	653	602	559	--	--	--	--
			<b>D</b>	0.131	0.205	0.296	0.402	0.526	0.664	0.819	0.993	1.182	1.386	1.608	--	--	--	--
1-1/2" (38.1)	3.30 (4.91)	3.67 (5.46)	<b>U</b>	2612	1671	1161	853	653	516	418	345	290	247	213	185	163	--	
			<b>D</b>	0.184	0.214	0.308	0.485	0.547	0.692	0.855	1.033	1.230	1.443	1.673	1.915	2.184	--	--
			<b>C</b>	2612	2089	1741	1492	1306	1161	1044	949	870	803	746	696	653	--	--
			<b>D</b>	0.109	0.171	0.246	0.335	0.438	0.554	0.683	0.827	0.984	1.154	1.340	1.537	1.750	--	--
1-3/4" (44.5)	3.61 (5.37)	3.98 (5.92)	<b>U</b>	3366	2154	1496	1099	841	665	538	445	374	318	274	239	210	186	
			<b>D</b>	0.221	0.259	0.283	0.412	0.473	0.599	0.739	0.895	1.066	1.248	1.446	1.662	1.891	2.134	
			<b>C</b>	3366	2693	2244	1923	1683	1496	1346	1224	1122	1035	961	897	841	792	
			<b>D</b>	0.099	0.148	0.213	0.290	0.379	0.479	0.592	0.716	0.852	1.000	1.159	1.378	1.515	1.711	
2" (50.8)	3.91 (5.82)	4.29 (6.38)	<b>U</b>	4193	2683	1863	1369	1048	828	671	554	466	397	342	298	262	232	
			<b>D</b>	0.187	0.197	0.251	0.320	0.418	0.529	0.653	0.789	0.940	1.104	1.279	1.468	1.671	1.886	
			<b>C</b>	4193	3354	2795	2396	2096	1863	1677	1524	1397	1290	1198	1118	1048	986	
			<b>D</b>	0.084	0.131	0.188	0.256	0.334	0.423	0.522	0.632	0.752	0.883	1.024	1.181	1.337	1.509	

**U** - Uniform Load - Lbs. per Square Foot

**D** - Deflection - in Inches

**C** - Concentrated Load - Lbs. per Square Foot of Width at Mid Span

- Span 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 values are based on the diamond-vented version of the product.
  - Loading and deflection values are theoretical and based on a tensile bending stress (Fs) of 19,000 PSI.
  - Technical information provided is theoretical and for evaluation by technically skilled persons, 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 Plank Grating.
-  Solid surface products qualify for use in ADA compliant applications when installed using multiple pieces to width regardless of the direction of travel.

