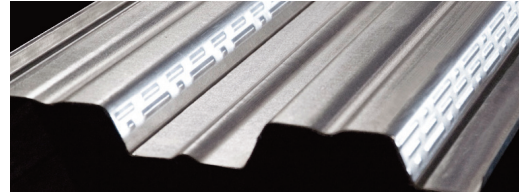
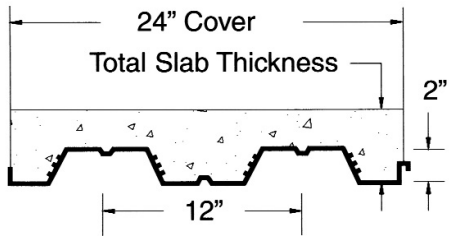


2" COMPOSITE DECK NORMAL WEIGHT CONCRETE (145 pcf)



Helpful Hint: 2" Composite deck is used when the spans and loads exceed the capability of 1 1/2" Composite deck.

Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (psf) Glv	Ip(In ⁴)	Sp(In ³)	Sn(In ³)
22	.0295	1.65	0.339	0.269	0.276
20	.0358	2.05	0.419	0.350	0.360
18	.0474	2.70	0.565	0.507	0.516
16	.0598	3.30	0.714	0.658	0.655

- Section properties calculated in accordance with AISI specifications

Slab Depth	Gage	Max Unshored Clear Span			Superimposed Live Load in Pounds Per Square Foot										
		One	Two	Three	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"
4.5"	22	6-2	8-3	8-4	315	271	236	206	182	161	143	128	114	103	93
	20	7-3	9-6	9-10	396	323	281	246	217	193	172	154	138	125	113
	18	9-0	11-3	11-8	361	314	276	245	196	174	154	138	124	111	100
	16	10-5	12-8	13-1	368	321	282	250	223	200	180	141	127	114	103
5.0"	22	5-10	7-11	8-0	364	314	273	239	210	186	166	148	133	119	107
	20	6-10	9-1	9-5	400	379	330	290	256	227	202	181	163	147	133
	18	8-7	10-9	11-1	400	371	326	289	233	206	184	164	147	133	120
	16	9-11	12-1	12-6	400	380	334	296	264	237	188	168	151	136	123
5.5"	22	5-7	7-7	7-8	400	356	310	271	239	211	188	168	151	135	122
	20	6-7	8-8	9-0	400	400	376	330	291	258	230	206	186	167	151
	18	8-2	10-4	10-9	400	400	378	307	271	240	214	191	172	155	140
	16	9-6	11-7	12-0	400	400	387	343	306	246	219	196	176	159	144
6.0"	22	5-5	7-4	7-5	400	399	347	304	267	237	211	188	169	152	137
	20	6-4	8-4	8-8	400	400	400	370	326	290	259	232	208	188	170
	18	7-10	10-0	10-4	400	400	400	351	309	274	245	219	197	177	160
	16	9-1	11-2	11-7	400	400	400	392	350	282	251	225	202	182	165
6.5"	22	5-2	7-1	7-2	400	400	384	336	296	262	233	208	187	168	152
	20	6-1	8-1	8-4	400	400	400	400	362	321	287	257	231	208	189
	18	7-6	9-8	9-11	400	400	400	395	349	310	276	247	222	200	181
	16	8-9	10-10	11-2	400	400	400	400	359	319	284	255	229	207	187

- Notes: 1. Load tables are calculated using section properties based on the steel design thickness shown in the Steel Deck Institute (SDI) design manual.
 2. Minimum exterior bearing length required is 1.5 inches. Minimum interior bearing length is 3 inches. If these minimum lengths are not provided, web crippling must be checked.