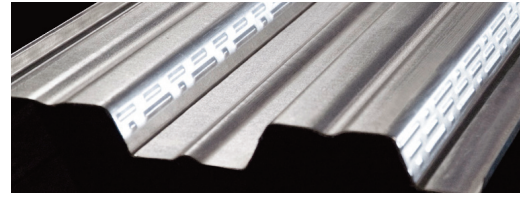
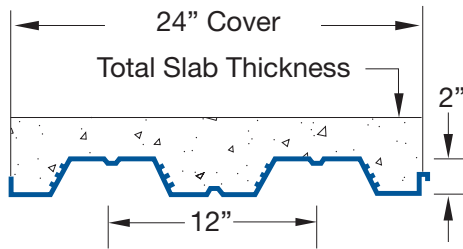


2" COMPOSITE DECK *LIGHTWEIGHT CONCRETE (115 pcf)*



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	6-8	8-11	9-0	319	276	240	211	186	165	147	132	119	107	97
	20	7-10	10-3	10-7	380	331	273	240	212	189	169	151	136	123	112
	18	9-10	12-1	12-6	345	300	264	234	209	187	151	135	122	110	99
	16	11-5	13-7	13-10	350	305	268	238	212	190	172	156	142	112	101
5.0"	22	6-4	8-6	8-8	369	319	278	244	215	191	171	153	138	124	112
	20	7-6	9-9	10-2	400	372	324	285	252	224	200	180	162	147	133
	18	9-4	11-8	12-0	400	356	313	277	247	202	180	161	145	131	119
	16	10-10	13-1	13-5	400	362	319	282	252	226	204	185	148	134	121
5.25"	22	6-3	8-4	8-6	394	340	297	260	230	204	182	163	147	133	120
	20	7-4	9-7	9-11	400	400	350	308	272	242	216	194	175	158	144
	18	9-1	11-5	11-10	400	385	338	299	267	218	195	175	157	142	129
	16	10-7	12-10	13-2	400	392	344	305	272	244	220	200	160	145	131
5.5"	22	6-1	8-3	8-4	400	362	315	277	244	217	194	174	156	141	128
	20	7-2	9-5	9-9	400	400	377	331	293	261	233	209	189	171	155
	18	8-11	11-2	11-7	400	400	364	322	264	235	210	188	170	153	139
	16	10-4	12-7	13-0	400	400	371	328	293	263	237	192	173	156	142
6.25"	22	5-9	7-9	7-11	400	400	372	326	288	256	229	205	184	167	151
	20	6-9	8-11	9-3	400	400	400	396	351	312	279	251	226	205	186
	18	8-5	10-8	11-0	400	400	400	365	323	287	256	230	207	188	170
	16	9-9	11-11	12-4	400	400	400	400	357	320	263	236	212	192	174

- 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.