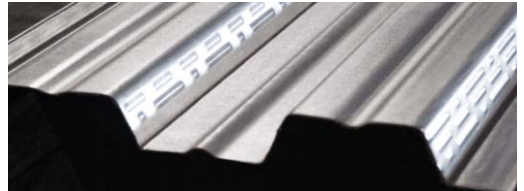
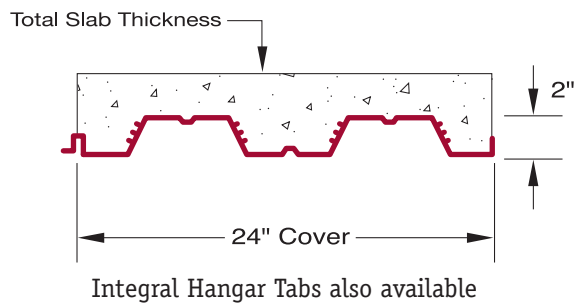


COMPOSITE 2" COMPOSITE DECK LIGHT WEIGHT CONCRETE (115 pcf)



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)	In(In ⁴)	Sp(In ³)	Sn(In ³)
22	.0295	1.65	0.3233	0.3147	0.2547	0.278
20	.0358	2.05	0.4047	0.4	0.3248	0.3641
18	.0474	2.70	0.5585	0.555	0.4615	0.4984
16	.0598	3.30	0.7145	0.7018	0.6154	0.6328

- 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"	291	250	216	189	165	146	129	114	102	91	81	
	20	7'-9"	10'-4"	10'-6"	349	301	261	228	201	177	157	140	125	112	101	
	18	9'-7"	12'-1"	12'-6"	400	390	339	297	262	233	207	186	167	150	136	
	16	11'-4"	13'-7"	13'-9"	400	400	400	366	324	288	257	230	200	175	154	
5.0"	22	6'-4"	8'-6"	8'-8"	346	297	258	225	197	174	154	137	122	109	98	
	20	7'-4"	9'-11"	10'-1"	400	358	311	272	239	212	188	168	150	135	121	
	18	9'-1"	11'-7"	10'-12"	400	400	400	355	313	278	248	222	200	180	163	
	16	10'-9"	13'-0"	13'-4"	400	400	400	400	387	344	308	276	249	225	204	
5.25"	22	6'-3"	8'-4"	8'-5"	374	322	279	243	214	189	167	149	133	119	106	
	20	7'-2"	9'-9"	9'-10"	400	388	337	295	259	229	204	182	163	146	132	
	18	8'-11"	11'-4"	11'-9"	400	400	400	385	340	301	269	241	217	195	177	
	16	10'-6"	12'-9"	13'-2"	400	400	400	400	400	374	334	300	270	244	222	
5.5"	22	6'-1"	8'-2"	8'-3"	400	347	301	262	230	203	180	160	143	128	115	
	20	7'-1"	9'-6"	9'-8"	400	400	363	318	280	248	220	197	176	158	143	
	18	8'-8"	11'-1"	11'-6"	400	400	400	400	366	325	290	260	234	211	191	
	16	10'-3"	12'-6"	12'-11"	400	400	400	400	400	400	361	324	292	264	240	
6.25"	22	5'-9"	7'-4"	7'-7"	400	400	367	321	282	249	221	197	176	157	141	
	20	6'-8"	9'-0"	9'-1"	400	400	400	389	342	303	270	241	216	194	175	
	18	8'-2"	10'-6"	10'-11"	400	400	400	400	400	399	356	320	288	260	235	
	16	9'-7"	11'-10"	12'-3"	400	400	400	400	400	400	400	399	360	326	296	

- 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.

For the latest SDI standards and publications, please visit: sdi.org



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