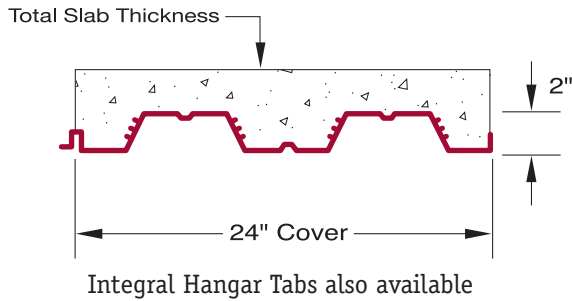


COMPOSITE 2" COMPOSITE DECK NORMAL WEIGHT CONCRETE (145 pcf)



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

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

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'-1"	8'-3"	8'-4"	296	254	219	190	166	146	128	113	100	89	79	
	20	7'-1"	9'-7"	9'-8"	358	308	267	232	204	179	159	141	125	112	100	
	18	8'-9"	11'-2"	11'-7"	400	400	350	306	269	238	212	189	169	152	137	
	16	10'-4"	12'-7"	13'-0"	400	400	400	380	335	298	265	237	213	192	174	
5.0"	22	5'-10"	7'-6"	7'-10"	352	302	261	227	198	174	153	136	120	107	95	
	20	6'-9"	9'-2"	9'-3"	400	366	317	277	243	214	189	168	150	134	120	
	18	8'-3"	10'-8"	11'-1"	400	400	400	365	321	284	253	226	202	182	164	
	16	9'-9"	12'-0"	12'-5"	400	400	400	400	400	355	317	284	255	230	208	
5.5"	22	5'-7"	6'-11"	7'-2"	400	351	304	264	231	203	179	159	141	125	112	
	20	6'-5"	8'-9"	8'-10"	400	400	369	322	283	250	221	197	175	157	141	
	18	7'-11"	10'-3"	10'-7"	400	400	400	400	375	332	295	264	237	213	192	
	16	9'-4"	11'-6"	11'-11"	400	400	400	400	400	400	371	332	299	270	244	
6.0"	22	5'-4"	6'-5"	6'-8"	400	400	347	302	265	233	206	182	162	144	129	
	20	6'-2"	8'-5"	8'-6"	400	400	400	369	324	286	254	226	202	180	162	
	18	7'-7"	9'-10"	10'-2"	400	400	400	400	400	381	339	303	272	245	221	
	16	8'-11"	11'-1"	11'-5"	400	400	400	400	400	400	400	382	344	311	281	
6.5"	22	5'-3"	5'-11"	6'-2"	400	400	392	342	299	263	233	206	183	163	146	
	20	6'-0"	8'-1"	8'-2"	400	400	400	400	367	324	287	256	228	205	184	
	18	7'-5"	9'-6"	9'-9"	400	400	400	400	400	400	384	344	309	278	251	
	16	8'-8"	10'-8"	11'-0"	400	400	400	400	400	400	400	400	390	353	320	

- 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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