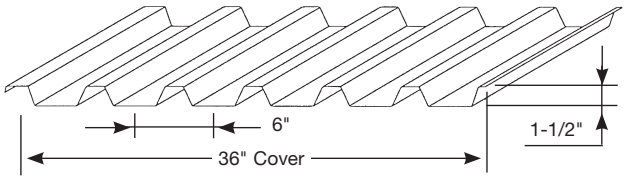
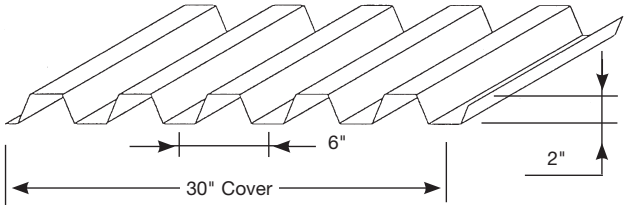
Form Deck Sectional Properties
(Per foot of width)

Wheeling Form Deck



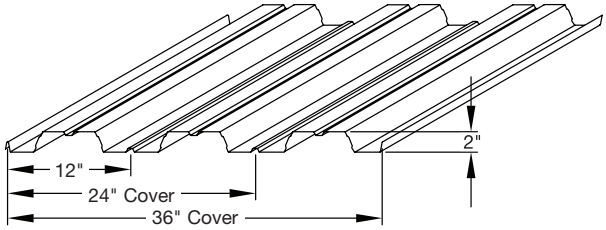
Tensilform 150 Fy = 80 ksi

Gage	t in	Sp in³	Sn in³	Ip in⁴	In in⁴	Wt. (psf) Galv.
22	0.0295	0.175	0.166	0.180	0.142	1.8
20	0.0358	0.223	0.216	0.220	0.184	2.2
18	0.0474	0.305	0.294	0.294	0.268	2.9
16	0.0600	0.391	0.381	0.374	0.363	3.6



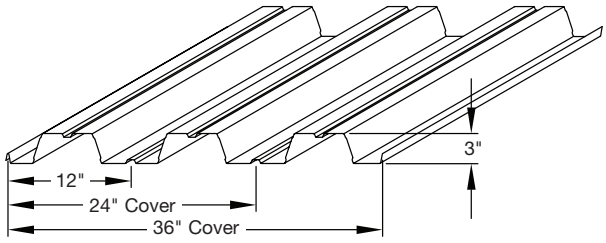
Tensilform 200 Fy = 80 ksi

Gage	t in	Sp in³	Sn in³	Ip in⁴	In in⁴	Wt. (psf) Galv.
22	0.0315	0.270	0.274	0.335	0.332	2.0
20	0.0378	0.346	0.352	0.421	0.417	2.4
18	0.0508	0.516	0.527	0.603	0.592	3.2
16	0.0600	0.641	0.656	0.719	0.708	3.8



Tensilform 2.0

Gage	t in	Sp in³	Sn in³	Ip in⁴	In in⁴	Wt. (psf) Galv.	Fy (KSI)
22	0.0295	0.257	0.258	0.317	0.309	2.0	50
20	0.0358	0.334	0.337	0.402	0.393	2.3	50
19	0.0418	0.429	0.436	0.494	0.484	2.7	40
18	0.0474	0.507	0.517	0.557	0.552	3.0	40
16	0.0600	0.659	0.663	0.705	0.705	3.7	40



Tensilform 3.0

Gage	t in	Sp in³	Sn in³	Ip in⁴	In in⁴	Wt. (psf) Galv.	Fy (KSI)
22	0.0295	0.428	0.436	0.766	0.749	2.0	50
20	0.0358	0.551	0.565	0.965	0.945	2.3	50
19	0.0418	0.698	0.721	1.162	1.146	2.7	40
18	0.0474	0.820	0.826	1.315	1.311	3.0	40
16	0.0600	1.051	1.050	1.667	1.667	3.7	40

Maximum Allowable Uniform Total Loads - psf

Type	Number of Spans	Design Condition		Span - Feet & Inches									
				5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"
22	1 Span	Stress	36 ksi	168	139	117	99	86	75	66	58	52	47
		Deflection	ℓ/240	94	71	54	43	34	28	23			
		Deflection	ℓ/180	126	94	73	57	46	37	31	26	22	
	2 Span	Stress	36 ksi	158	130	110	94	81	70	62	55	49	44
		Deflection	ℓ/240	158	130	110	92	74	60	49	41	35	30
		Deflection	ℓ/180	158	130	110	94	81	70	62	55	46	39
	3 Span	Stress	36 ksi	196	162	137	117	101	88	77	68	61	55
		Deflection	ℓ/240	160	120	92	73	58	47	39	33	27	23
		Deflection	ℓ/180	196	160	123	97	78	63	52	43	37	31
20	1 Span	Stress	36 ksi	214	177	149	127	109	95	84	74	66	59
		Deflection	ℓ/240	115	87	67	53	42	34	28	24	20	
		Deflection	ℓ/180	154	116	89	70	56	46	38	31	26	22
	2 Span	Stress	36 ksi	205	170	143	122	105	92	81	71	64	57
		Deflection	ℓ/240	205	170	143	116	93	75	62	52	44	37
		Deflection	ℓ/180	205	170	143	122	105	92	81	69	58	49
	3 Span	Stress	36 ksi	255	211	178	152	131	114	101	89	80	71
		Deflection	ℓ/240	200	151	116	91	73	59	49	41	34	29
		Deflection	ℓ/180	255	201	155	122	97	79	65	54	46	39
18	1 Span	Stress	36 ksi	293	242	204	173	150	130	115	101	90	81
		Deflection	ℓ/240	154	116	89	70	56	46	38	31	26	22
		Deflection	ℓ/180	206	154	119	94	75	61	50	42	35	30
	2 Span	Stress	36 ksi	279	231	195	166	143	125	110	97	87	78
		Deflection	ℓ/240	279	231	195	161	129	105	86	72	61	52
		Deflection	ℓ/180	279	231	195	166	143	125	110	96	81	69
	3 Span	Stress	36 ksi	347	288	243	207	179	156	137	122	108	97
		Deflection	ℓ/240	279	209	161	127	102	83	68	57	48	41
		Deflection	ℓ/180	347	279	215	169	135	110	91	76	64	54
16	1 Span	Stress	36 ksi	376	310	261	222	192	167	147	130	116	104
		Deflection	ℓ/240	196	147	113	89	71	58	48	40	34	29
		Deflection	ℓ/180	261	196	151	119	95	77	64	53	45	38
	2 Span	Stress	36 ksi	361	299	252	215	185	162	142	126	112	101
		Deflection	ℓ/240	361	299	252	211	169	138	113	94	80	68
		Deflection	ℓ/180	361	299	252	215	185	162	142	126	106	90
	3 Span	Stress	36 ksi	449	372	313	268	231	202	177	157	140	126
		Deflection	ℓ/240	366	275	212	166	133	108	89	74	63	53
		Deflection	ℓ/180	449	366	282	222	178	144	119	99	84	71

Maximum Allowable Unshored Construction Clear Spans

Slab Depth	Type	145 pcf Normal Weight Concrete				115 pcf Light Weight Concrete			
		Slab Wt. - psf	Single Span	Double Span	Triple Span	Slab Wt. - psf	Single Span	Double Span	Triple Span
3-1/2"	22	40	6'-7"	8'-5"	8'-8"	32	7'-2"	9'-1"	9'-4"
	20	40	7'-8"	9'-7"	9'-10"	32	8'-4"	10'-4"	10'-8"
	18	40	8'-8"	11-2"	10'-9"	32	9'-4"	12'-0"	11'-5"
	16	40	9'-4"	12'-2"	11'-5"	32	10'-0"	12'-10"	12'-1"
4"	22	46	6'-3"	8'-0"	8'-3"	37	6'-9"	8'-8"	8'-11"
	20	46	7'-3"	9'-1"	9'-4"	37	7'-10"	9'-10"	10'-0"
	18	46	8'-3"	10'-7"	10'-3"	37	8'-11"	11'-5"	11'-0"
	16	46	8'-11"	11'-9"	11'-0"	37	9'-6"	12'-5"	11'-8"
4-1/2"	22	52	5'-11"	7'-7"	7'-11"	42	6'-5"	8'-3"	8'-6"
	20	52	6'-10"	8'-8"	9'-0"	42	7'-6"	9'-5"	9'-7"
	18	52	7'-11"	10'-1"	9'-10"	42	8'-6"	10'-11"	10'-6"
	16	52	8'-6"	11'-5"	10'-7"	42	9'-2"	12'-0"	11'-4"
5"	22	58	5'-8"	7'-4"	7'-7"	47	6'-2"	7'-11"	8'-2"
	20	58	6'-7"	8'-4"	8'-7"	47	7'-2"	9'-0"	9'-3"
	18	58	7'-8"	9'-8"	9'-5"	47	8'-3"	10'-6"	10'-2"
	16	58	8'-3"	11'-0"	10'-2"	47	8'-10"	11'-8"	10'-11"
5-1/2"	22	64	5'-5"	7'-0"	7'-3"	51	5'-11"	7'-8"	7'-11"
	20	64	6'-3"	8'-0"	8'-3"	51	6'-10"	8'-8"	8'-11"
	18	64	7'-5"	9'-4"	9'-2"	51	7'-11"	10'-2"	9'-10"
	16	64	8'-0"	10'-7"	9'-10"	51	8'-7"	11'-5"	10'-7"
6"	22	70	5'-4"	6'-9"	7'-0"	56	5'-9"	7'-5"	7'-8"
	20	70	6'-1"	7'-8"	8'-0"	56	6'-8"	8'-5"	8'-8"
	18	70	7'-2"	9'-0"	8'-10"	56	7'-9"	9'-9"	9'-6"
	16	70	7'-9"	10'-2"	9'-7"	56	8'-4"	11'-1"	10'-3"
6-1/2"	22	76	5'-2"	6'-6"	6'-9"	61	5'-6"	7'-2"	7'-5"
	20	76	6'-0"	7'-5"	7'-8"	61	6'-5"	8'-2"	8'-5"
	18	76	7'-0"	8'-8"	8'-7"	61	7'-6"	9'-6"	9'-3"
	16	76	7'-6"	9'-10"	9'-3"	61	8'-1"	10'-9"	10'-0"

Allowable Uniform Superimposed Loads for Reinforced Concrete Slabs - psf

Slab Depth	Reinforcement		Three Span Condition - Center to Center						
	W.W.R.	A_s (in²/ft)	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
3-1/2"	6x6-W2.9xW2.9	0.058*	103	79	61	47	36		
	6x6-W4.0xW4.0	0.080	147	116	92	73	59	47	37
	4x4-W2.9xW2.9	0.087	167	133	106	86	69	56	45
4"	6x6-W2.9xW2.9	0.058*	135	105	82	64	50	39	
	6x6-W4.0xW4.0	0.080	193	153	122	99	80	65	52
	4x4-W2.9xW2.9	0.087	218	173	140	113	92	76	62
4-1/2"	6x6-W2.9xW2.9	0.058*	166	130	103	81	64	50	39
	6x6-W4.0xW4.0	0.080*	239	190	153	124	101	82	67
	4x4-W2.9xW2.9	0.087	268	214	173	141	116	95	79
5"	6x6-W4.0xW4.0	0.080*	285	227	183	149	122	100	82
	4x4-W2.9xW2.9	0.087*	318	255	206	169	139	115	95
	4x4-W4.0xW4.0	0.120	400	359	294	244	203	171	145
5-1/2"	6x6-W4.0xW4.0	0.080*	330	264	213	174	143	118	97
	4x4-W2.9xW2.9	0.087*	369	296	240	197	162	135	112
	4x4-W4.0xW4.0	0.120	400	400	342	284	237	200	169
6"	6x6-W4.0xW4.0	0.080*	376	301	244	199	164	135	112
	4x4-W2.9xW2.9	0.087*	400	336	273	224	186	154	129
	4x4-W4.0xW4.0	0.120	400	400	390	324	271	229	194
6-1/2"	6x6-W4.0xW4.0	0.080*	400	338	274	224	185	153	127
	4x4-W2.9xW2.9	0.087*	400	377	307	252	209	174	145
	4x4-W4.0xW4.0	0.120*	400	400	400	364	305	258	219

*A_s does not meet A.C.I. criteria for temperature and shrinkage reinforcement (0.0018Ac)