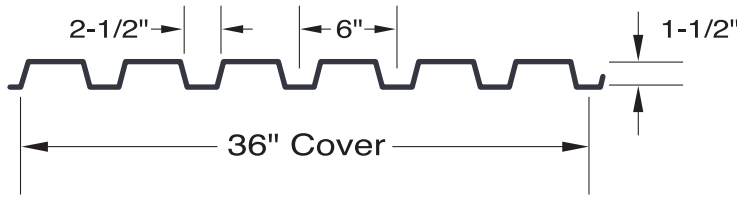
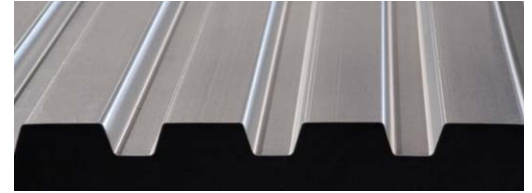


Type "B" deck is the deck of choice for the majority of roofing applications. It is our most commonly sold product.



30" Cover, 24" Cover and acoustical type also available



Type "B"



Type "B Acoustical" (wide rib perforated)

Acoustical Data: Type "B Acoustical"

Absorption Coefficients						NRC
125	250	500	1000	2000	4000	.55
.14	.19	.45	.92	.54	.31	

Section Properties ($F_y = 40$ ksi)

Gage	Design Thickness	Weight (psf)	A_s (In ²)	I_p (In ⁴)	I_n (In ⁴)	S_p (In ³)	S_n (In ³)	Allowable Moment M_p/Ω inch-lbs	Allowable Moment M_n/Ω inch-lbs	Allowable Shear V_n/Ω lbs
22	0.0295	1.61	0.485	0.1500	0.1833	0.1744	0.1796	4177	4300	2243
20	0.0358	2.04	0.588	0.1933	0.2267	0.2228	0.2309	5337	5533	2714
18	0.0474	2.70	0.778	0.2833	0.3000	0.3037	0.3147	7270	7540	3572
16	0.0598	3.20	0.982	0.3800	0.3800	0.3900	0.3957	9340	9477	4479

- Notes:
1. All section properties and strengths are reported per foot of panel width.
 2. All section properties and ASD flexural strengths are calculated in accordance with ANSI/SDI RD-2010, Section 2.4.A.1.3; p = Property in positive bending; n = Property in negative bending.
 3. Moments of Inertia are calculated at 0.60F_y.

Gage	Span Cond	ASD Span	ASD Allowable Uniform Downward Loads (psf) / Uniform Service Load that Causes L/240 Deflection (psf)										ASD Cantilever Span	
			5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"		10'-0"
22	Single	7'-0"	111 / 79	92 / 59	77 / 46	66 / 36	57 / 29	50 / 23	44 / 19	39 / 16	34 / 14	31 / 11	28 / 10	1'9"
20		8'-11"	142 / 102	118 / 76	99 / 59	84 / 46	73 / 37	63 / 30	56 / 25	49 / 21	44 / 17	39 / 15	36 / 13	2'3"
18		12'-1"	194 / 149	160 / 112	135 / 86	115 / 68	99 / 54	86 / 44	76 / 36	67 / 30	60 / 26	54 / 22	48 / 19	3'1"
16		15'-7"	249 / 200	206 / 150	173 / 116	147 / 91	127 / 73	111 / 59	97 / 49	86 / 41	77 / 34	69 / 29	62 / 25	3'11"
22	Double	8'-7"	115 / 190	95 / 143	80 / 110	68 / 86	59 / 69	51 / 56	45 / 46	40 / 39	35 / 33	32 / 28	29 / 24	1'9"
20		10'-11"	148 / 244	122 / 184	102 / 141	87 / 111	75 / 89	66 / 72	58 / 60	51 / 50	46 / 42	41 / 36	37 / 31	2'3"
18		14'-11"	201 / 358	166 / 269	140 / 207	119 / 163	103 / 131	89 / 106	79 / 87	70 / 73	62 / 61	56 / 52	50 / 45	3'1"
16		19'-2"	253 / 481	209 / 361	176 / 278	150 / 219	129 / 175	112 / 142	99 / 117	87 / 98	78 / 82	70 / 70	63 / 60	3'11"
22	Triple	8'-7"	143 / 148	118 / 112	100 / 86	85 / 68	73 / 54	64 / 44	56 / 36	50 / 30	44 / 25	40 / 22	36 / 19	1'9"
20		10'-11"	184 / 191	152 / 144	128 / 111	109 / 87	94 / 70	82 / 57	72 / 47	64 / 39	57 / 33	51 / 28	46 / 24	2'3"
18		14'-11"	251 / 280	208 / 211	175 / 162	149 / 128	128 / 102	112 / 83	98 / 68	87 / 57	78 / 48	70 / 41	63 / 35	3'1"
16		19'-2"	316 / 376	261 / 283	219 / 218	187 / 171	161 / 137	140 / 111	123 / 92	109 / 77	98 / 64	88 / 55	79 / 47	3'11"

- Notes: 1. Construction Spans (ANSI/SDI RD-2010 Section 2.4.A.3 and 2.4.A.4)

