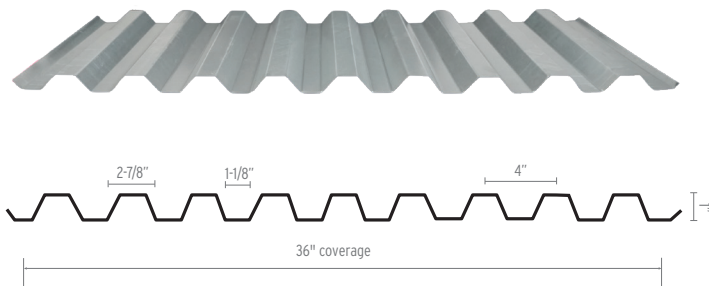


Form Deck

Crafted For The Professional To Last A Lifetime



Summary

Form Deck provides a strong, reliable steel base designed specifically to support concrete slabs during construction.

Panel Specifications

- ✓ Grade 80 Steel
- ✓ Vented Option

Thickness

- ✓ 22 Gauge Steel
- ✓ 20 Gauge Steel

Paint System

- ✓ ASTM A653 SS GR50 Min, With G60 Or G90, White Or Gray Primer Optional

Sizing

- ✓ 3' to 30'

Section Properties

Deck Gauge	Deck Weight	Base Metal Thickness	Yield Strength	Effective Moment of Inertia at Service Load $I_d = (2I_e + I_g)/3$		Effective Section Modulus at $F_y = 50$ ksi		Allowable Movement		Vertical Web Shear
	w_{dd} (psf)	t (in.)	F_y (ksi)	I_{d+} (in ⁴ /ft)	I_{d-} (in ⁴ /ft)	S_{e+} (in ³ /ft)	S_{e-} (in ³ /ft)	$M_{n+}/\cap$ (lb-ft/ft)	$M_{n-}/\cap$ (lb-ft/ft)	$V_n/\cap$ (lb/ft)
22	1.5	0.0295	60	0.064	0.062	0.120	0.125	4298	4493	3584
20	1.8	0.0358	60	0.080	0.078	0.154	0.153	5521	5509	4339

Shear and Web Crippling

Deck Gauge	$V_n/\cap$ (lbs/ft)	One-Flange Loading			One-Flange Loading		
		End Bearing			Interior Bearing		
		1-1/2"	2"	3"	1-1/2"	2"	3"
22	3584	1261	1386	1595	1947	2112	2389
20	4339	1785	1955	2242	2781	3006	3384

Notes:

- Section properties and ASD flexural strengths are calculated in accordance with ANSI/SDI RD-2017, AISI S100-2012 and AISI S100-2016

Allowable Uniform Downward Loads, ASD (psf)

		Span (ft-in.)										
Spans	Gage	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
Single	22	716	458	318	234	179	142	115	95	80	68	58
	20	920	589	409	300	230	182	147	122	102	87	75
Double	22	749	479	333	245	187	148	120	99	83	71	61
	20	918	588	408	300	230	181	147	121	102	87	75
Triple	22	936	599	416	306	234	185	150	124	104	89	76
	20	1148	735	510	375	287	227	184	152	128	109	94

Notes:

- Table does not account for web crippling. Required bearing should be determined based on specific span conditions.

Rochester: 877-889-7802 | Woodburn: 844-435-0598 | Middlebury: 800-575-1713

