



CORRUGATED DECKING

Description

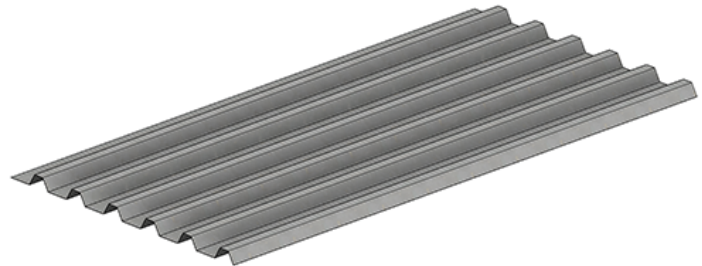
Cogan corrugated decking is a steel underlay used to reinforce resin board and concrete flooring. Complete with a galvanized top side and white underside, corrugated steel decking is available in three different gauges for your convenience.



PRODUCT INFORMATION

Specifications

Gauges	18GA, 20GA, 22GA
Decking Width	3'-0"
Decking Length	4'-0", 8'-0", 9'-0", 10'-0", 11'-0", 12'-0", 13'-0", 14'-0", 15'-0", 16'-0"
Finish	Galvanized, white underside
Application	Flooring



COLORS



White

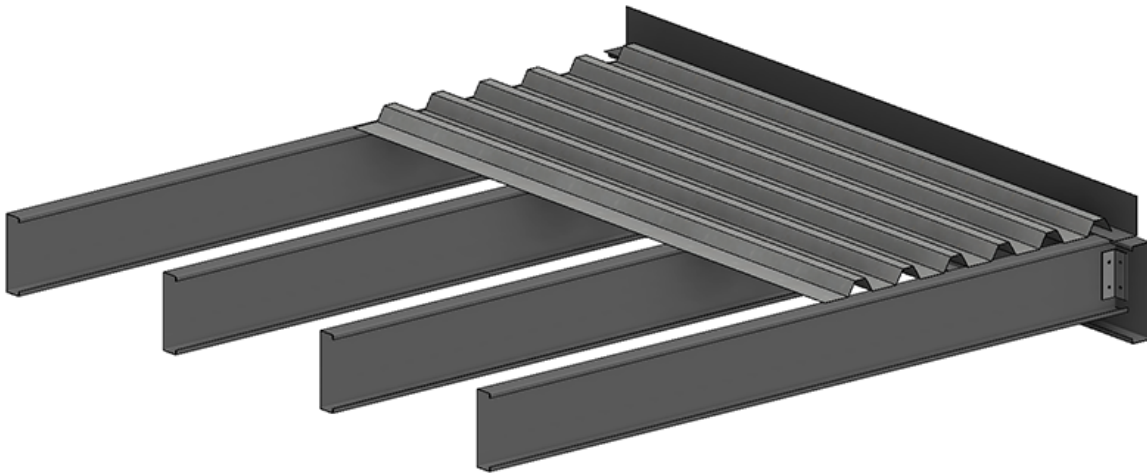


Electro-Galvanized



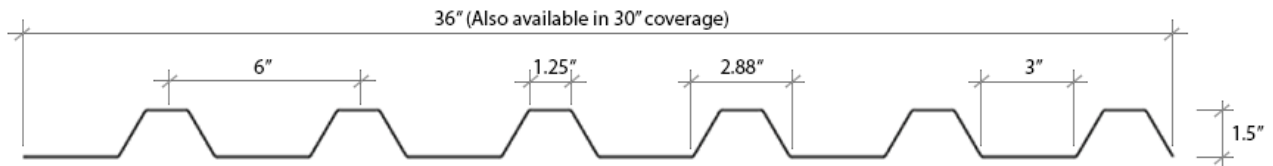
DETAILS

Please consult the tables below for further information regarding properties and load capacity.



Gauge	Size	ITEM#	Gauge	Size	ITEM#	Gauge	Size	ITEM#
18ga	3' x 4'	SD1834	20ga	3' x 4'	SD2034	22ga	3' x 4'	SD2234
18ga	3' x 8'	SD1838	20ga	3' x 8'	SD2038	22ga	3' x 8'	SD2238
18ga	3' x 9'	SD1839	20ga	3' x 9'	SD2039	22ga	3' x 9'	SD2239
18ga	3' x 10'	SD18310	20ga	3' x 10'	SD20310	22ga	3' x 10'	SD22310
18ga	3' x 11'	SD18311	20ga	3' x 11'	SD20311	22ga	3' x 11'	SD22311
18ga	3' x 12'	SD18312	20ga	3' x 12'	SD20312	22ga	3' x 12'	SD22312
18ga	3' x 13'	SD18313	20ga	3' x 13'	SD20313	22ga	3' x 13'	SD22313
18ga	3' x 14'	SD18314	20ga	3' x 14'	SD20314	22ga	3' x 14'	SD22314
18ga	3' x 15'	SD18315	20ga	3' x 15'	SD20315	22ga	3' x 15'	SD22315
18ga	3' x 16'	SD18316	20ga	3' x 16'	SD20316	22ga	3' x 16'	SD22316

CORRUGATED DECKING SIDEVIEW





DETAILS

Please consult the tables below for further information regarding properties and load capacity.

Section Properties		(Per Foot of Width)							
Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Section Modulus		Deflection Moment of Inertia Mid Span (in ⁴)	Specified Web Crippling Data (lb)			
			Mid Span (in ³)	Support (in ³)		End Pe1	End Pe2	Interior Pi1	Interior Pi2
0.018	1.04	33	0.0940	0.0888	0.0985	54.1	13.5	105	17.9
0.024	1.36	33	0.136	0.127	0.132	102	25.5	197	33.4
0.030	1.69	33	0.175	0.162	0.165	165	41.3	318	54.1
0.036	2.02	33	0.208	0.198	0.197	244	61.1	470	79.8

Live Load Factor = 1.5; Importance Factor = 0.90; Importance Category = 1.0

Load Table		Maximum Specified Uniformly Distributed Loads in psf											
Span (in.)		1-Span Base Steel Thickness (in.)				2-Span Base Steel Thickness (in.)				3-Span Base Steel Thickness (in.)			
		0.018	0.024	0.030	0.036	0.018	0.024	0.030	0.036	0.018	0.024	0.030	0.036
48	S	78	112	144	172	73	105	134	164	92	131	167	205
	D	149	200	250	299	358	480	599	717	282	378	472	565
54	S	61	88	114	136	58	83	106	129	72	103	132	162
	D	105	140	175	210	251	337	421	504	198	266	331	397
60	S	50	72	92	110	47	67	86	105	59	84	107	131
	D	76	102	128	153	183	246	307	367	144	194	241	289
66	S	41	59	76	91	39	55	71	87	48	69	89	108
	D	57	77	96	115	138	185	230	276	108	145	181	217
72	S	34	50	64	76	33	47	60	73	41	58	74	91
	D	44	59	74	89	106	142	177	213	84	112	140	167
78	S	29	42	55	65	28	40	51	62	35	50	63	77
	D	35	47	58	70	83	112	140	167	66	88	110	132
84	S	25	37	47	56	24	34	44	53	30	43	55	67
	D	28	37	47	56	67	90	112	134	53	71	88	105
90	S	22	32	41	49	21	30	38	47	26	37	48	58
	D	23	30	38	45	54	73	91	109	43	57	72	86
96	S	19	28	36	43	18	26	33	41	23	33	42	51
	D	19	25	31	37	45	60	75	90	35	47	59	71
102	S	17	25	32	38	16	23	30	36	20	29	37	45
	D	16	21	26	31	37	50	62	75	29	39	49	59
108	S	15	22	28	34	14	21	26	32	18	26	33	40
	D	13	18	22	26	31	42	53	63	25	33	41	50

Notes:

1. Steels conforms to ASTM A653.
2. Section properties are in accordance with CSA-S136-07.
3. Values in row "S" are based on strength.
4. Values in row "D" are based on a deflection limit of 1/180 of the span.
5. Web crippling not included in strength values.
6. Contact the sales department for stocked colours and gauges.
7. The load table contained on this data sheet was prepared by Dr. R.M. Schuster P.Eng. Professor Emeritus of Structural Engineering, University Waterloo, Ontario, Canada.