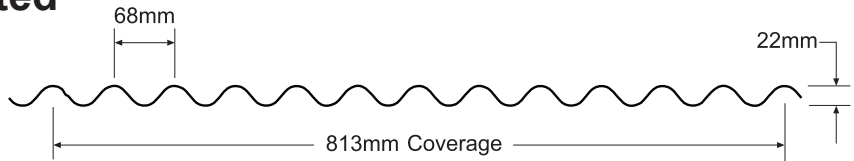


DOMTEK - 7/8" Corrugated Grade 230 Metric



Physical Properties		Per Metre Width - In accordance with CSA S136-16 - Limit States Design								
Thickness		Weight	Yield Strength	Section Modulus		Moment of Inertia	Factored Moment Resistance		Specified Crippling Bearing	
Gauge	Base (mm)	Z275 (kg/m ²)	(mPa)	Mid (10 ³ mm ³)	Support (10 ³ mm ³)	Mid Span (10 ⁶ mm ⁴)	Mid	Support	End	Interior
26	0.457	4.72	230	2.86	2.86	0.0317				
24	0.610	6.21	230	3.75	3.75	0.0416				

Load Table		Maximum Specified Uniformly Distributed Load in kPa ²					
Span (m)		1 Span		2 Span		3 Span	
		Minimum Base Steel (mm)		Minimum Base Steel (mm)		Minimum Base Steel (mm)	
		0.457	0.610	0.457	0.610	0.457	0.610
1.0	B	3.38	4.44	3.38	4.44	4.23	5.54
	D	3.61	4.73	8.69	11.40	6.81	8.93
1.2	B	2.35	3.08	2.35	3.08	2.94	3.85
	D	2.09	2.74	5.03	6.60	3.94	5.17
1.4	B	1.73	2.26	1.73	2.26	2.16	2.83
	D	1.31	1.72	3.17	4.16	2.48	3.26
1.6	B	1.32	1.73	1.32	1.73	1.65	2.17
	D	0.88	1.16	2.12	2.78	1.66	2.18
1.8	B	1.04	1.37	1.04	1.37	1.31	1.71
	D	0.62	0.81	1.49	1.95	1.17	1.53
2.0	B		1.11	0.85	1.11	1.06	1.39
	D		0.59	1.09	1.43	0.85	1.12
2.2	B			0.70	0.92	0.87	1.15
	D			0.82	1.07	0.64	0.84
2.4	B			0.59	0.77	0.73	0.96
	D			0.63	0.82	0.49	0.65
2.6	B				0.66		0.82
	D				0.65		0.51
2.8	B				0.57		
	D				0.52		

Notes:

- Properties and loads are based on Grade 33 Steel. Live load factor = 1.4 Normal Importance Iw, SLS = 0.75
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load] + [0.893 x Specified Dead Load].
- Figures in Row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th of the span, values in Row D can be doubled, but must not exceed the value in Row B. Deflection capacity should be checked against Specified Load(s).

Notes to the Designer:

- The load tables were developed in accordance with CSA S136-16 - North American Specification for the Design of Cold Formed Steel Structural Members.
- The load tables were developed using Limit States Design principles.
- The load tables are based on specified uniformly distributed loads only.
- The load tables do not consider the effect of pattern loading.
- The load tables do not account for concentrated loads.
- All span applications assumes all spans are equal.