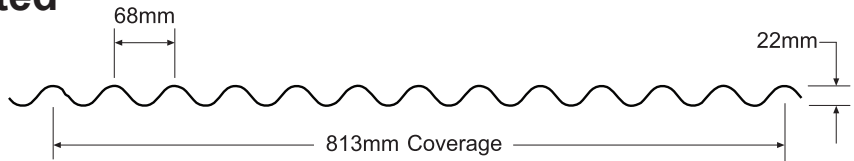


DOMTEK - 7/8" Corrugated Grade 550 Metric



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	Z275		Mid	Support	Mid Span	Mid	Support	End	Interior
	(mm)	(kg/m ²)	(mPa)	(10 ³ mm ³)	(10 ³ mm ³)	(10 ⁶ mm ⁴)				
26	0.457	4.72	550	2.86	2.86	0.0317				

Load Table		Maximum Specified Uniformly Distributed Load in kPa ²		
Span		1 Span	2 Span	3 Span
(m)		Minimum Base Steel (mm)	Minimum Base Steel (mm)	Minimum Base Steel (mm)
		0.457	0.457	0.457
1.0	B	6.07	6.07	7.58
	D	3.61	8.69	6.81
1.2	B	4.21	4.21	5.27
	D	2.09	5.03	3.94
1.4	B	3.10	3.10	3.87
	D	1.31	3.17	2.48
1.6	B	2.37	2.37	2.96
	D	0.88	2.12	1.66
1.8	B	1.87	1.87	2.34
	D	0.62	1.49	1.17
2.0	B		1.52	1.90
	D		1.09	0.85
2.2	B		1.25	1.57
	D		0.82	0.64
2.4	B		1.05	1.32
	D		0.63	0.49
2.6	B		0.90	
	D		0.49	

Notes:

- Properties and loads are based on Grade 550 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.