

FLOOR DECK

FD306

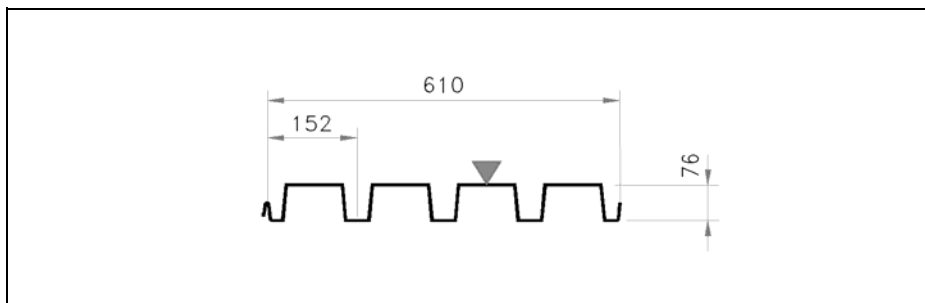
Metric

PHYSICAL PROPERTIES

(PER METRE WIDTH)
In accordance with CSA
Specification S136-01

LOAD TABLE

Maximum Specified
Uniformly Distributed
Load in kN/m² (kPa)



Base Steel Nominal Thickness	Nominal Thickness Z275 Coating	Mass with Coating	Section Modulus		Moment of Inertia	Factored Resistance			
						Moment		Reaction	
			Midspan	Support		Midspan	Support	Ext.	Int.
(mm)	(mm)	(kg/m ²)	x 10 ³ (mm ³)	x 10 ³ (mm ³)	x 10 ³ (mm ⁴)	(Nm)	(Nm)	(kN)	(kN)
0.76	0.80	12.39	25.94	26.67	1186.8	5369.6	5520.7	13.6	21.5
0.91	0.95	14.68	33.41	33.81	1488.3	6915.9	6998.7	19.0	30.1
1.22	1.26	19.15	46.42	48.39	2071.6	9608.9	10016.7	32.1	50.7
1.52	1.56	23.75	59.06	60.10	2608.4	12225.4	12440.7	48.2	76.4

Support Spacing (mm)		1-Span				2-Span				3-Span					
		0.76	0.91	1.22	1.52	0.76	0.91	1.22	1.52	0.76	0.91	1.22	1.52		
2100	B	6.5	8.4	11.6	14.8	5.5	7.6	12.1	15.0	6.2	8.7	14.6	18.8		
	D	5.5	7.0	9.7	12.2	13.9	17.4	24.3	30.5	10.5	13.1	18.3	23.0		
2250	B	5.7	7.3	10.1	12.9	5.1	7.1	10.6	13.1	5.8	8.1	13.2	16.4		
	D	4.5	5.7	7.9	9.9	11.3	14.2	19.7	24.8	8.5	10.7	14.9	18.7		
2400	B	5.0	6.4	8.9	11.3	4.8	6.5	9.3	11.5	5.4	7.6	11.6	14.4		
	D	3.7	4.7	6.5	8.2	9.3	11.7	16.3	20.5	7.0	8.8	12.2	15.4		
2550	B	4.4	5.7	7.9	10.0	4.5	5.7	8.2	10.2	5.1	7.2	10.3	12.8		
	D	3.1	3.9	5.4	6.8	7.8	9.7	13.5	17.1	5.8	7.3	10.2	12.9		
2700	B	3.9	5.1	7.0	8.9	4.0	5.1	7.3	9.1	4.8	6.4	9.2	11.4		
	D	2.6	3.3	4.6	5.7	6.5	8.2	11.4	14.4	4.9	6.2	8.6	10.8		
2850	B	3.5	4.5	6.3	8.0	3.6	4.6	6.6	8.2	4.5	5.7	8.2	10.2		
	D	2.2	2.8	3.9	4.9	5.6	7.0	9.7	12.2	4.2	5.3	7.3	9.2		
3000	B	3.2	4.1	5.7	7.2	3.3	4.1	5.9	7.4	4.1	5.2	7.4	9.2		
	D	1.9	2.4	3.3	4.2	4.8	6.0	8.3	10.5	3.6	4.5	6.3	7.9		
3150	B	2.9	3.7	5.2	6.6	3.0	3.8	5.4	6.7	3.7	4.7	6.7	8.4		
	D	1.6	2.1	2.9	3.6	4.1	5.2	7.2	9.0	3.1	3.9	5.4	6.8		
3300	B	2.6	3.4	4.7	6.0	2.7	3.4	4.9	6.1	3.4	4.3	6.1	7.6		
	D	1.4	1.8	2.5	3.1	3.6	4.5	6.3	7.9	2.7	3.4	4.7	5.9		
3450	B	2.4	3.1	4.3	5.5	2.5	3.1	4.5	5.6	3.1	3.9	5.6	7.0		
	D	1.3	1.6	2.2	2.8	3.1	3.9	5.5	6.9	2.4	3.0	4.1	5.2		
3600	B	2.2	2.8	4.0	5.0	2.3	2.9	4.1	5.1	2.8	3.6	5.2	6.4		
	D	1.1	1.4	1.9	2.4	2.8	3.5	4.8	6.1	2.1	2.6	3.6	4.6		
3750	B	2.0	2.6	3.6	4.6	2.1	2.7	3.8	4.7	2.6	3.3	4.7	5.9		
	D	1.0	1.2	1.7	2.1	2.4	3.1	4.3	5.4	1.8	2.3	3.2	4.0		
3900	B	1.9	2.4	3.4	4.3	1.9	2.5	3.5	4.4	2.4	3.1	4.4	5.5		
	D	0.9	1.1	1.5	1.9	2.2	2.7	3.8	4.8	1.6	2.1	2.9	3.6		
4050	B	1.7	2.2	3.1	4.0	1.8	2.3	3.3	4.0	2.2	2.8	4.1	5.1		
	D	0.8	1.0	1.4	1.7	1.9	2.4	3.4	4.3	1.5	1.8	2.5	3.2		
4200	B	1.6	2.1	2.9	3.7	1.7	2.1	3.0	3.8	2.1	2.6	3.8	4.7		
	D	0.7	0.9	1.2	1.5	1.7	2.2	3.0	3.8	1.3	1.6	2.3	2.9		

1. Deflection values are based upon **service** loads.
2. Denotes web crippling governs.

Limit States Design

Notes

- 1 Properties and loads are based on Grade 230 Steel with a minimum yield stress of 230 MPa, and a maximum stress under Factored loads of 207 MPa.
- 2 Row B indicates the load capacity based on strength. Strength capacity should be checked against [Specified Live Load] + [0.833 x Specified Dead Load]
- 3 Row D indicates the load capacity based on a deflection of 1/360th span. For allowable deflection of 1/180th span, values in Row D can be doubled, but must not exceed the value in Row B.
- 4 A highlighted value indicates capacity has been reduced to account for web crippling.