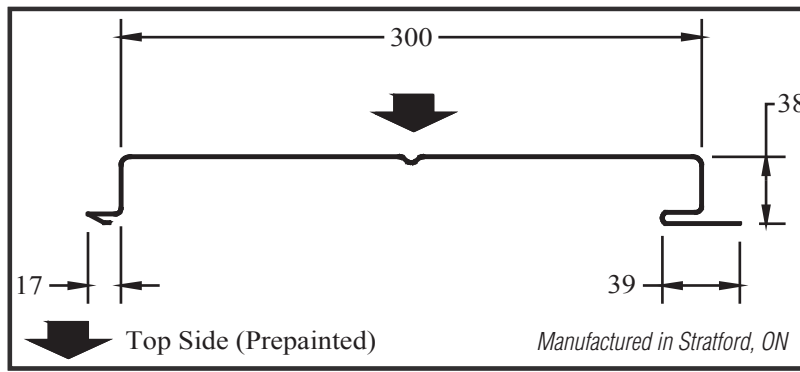


LIMIT STATES DESIGN



CLADDING
AD300R
AD300

Metric

AD300R as shown above, may be produced in base steel nominal thickness of 0.76mm and 0.91mm.
AD300 without minor rib, may be produced in base steel nominal thickness of 0.76mm and 0.91mm.

PHYSICAL PROPERTIES

(PER METRE WIDTH)
In accordance with CSA Specification S136-07

Base Steel Nominal Thickness (mm)	Nominal Thickness Z275 Coating (mm)	Mass with Coating (kg/m ²)	Section Modulus		Moment of Inertia (mm ⁴ x 10 ³)	Factored Resistance			
			Midspan (mm ³ x 10 ³)	Support (mm ³ x 10 ³)		Moment (N-m)		Reaction (kN)	
0.46	0.50	----	----	----	----	----	----	----	----
0.61	0.65	----	----	----	----	----	----	----	----
0.76	0.80	9.35	5.19	6.81	127.0	1074.3	1409.7	5.9	8.3
0.91	0.95	11.11	6.93	8.15	163.8	1434.5	1687.0	8.2	11.8
1.22	1.26	----	----	----	----	----	----	----	----

Note

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. Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load]+[0.833 x Specified Dead Load].

3. Where cladding is subjected only to wind load, strength values may be increased by 7%.

4. Figures in row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th 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).

5. An * indicates capacity has been reduced to account for web crippling.

LOAD TABLE

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

Support Spacing (mm)		1-Span Base Steel Nominal Thickness (mm)					2-Span Base Steel Nominal Thickness (mm)					3-Span Base Steel Nominal Thickness (mm)				
		0.46	0.61	0.76	0.91	1.22	0.46	0.61	0.76	0.91	1.22	0.46	0.61	0.76	0.91	1.22
1200	B			4.0	5.3				3.7*	5.2*				4.2*	6.0*	
	D			6.4	8.2				15.3	19.7				12.0	15.5	
1400	B			2.9	3.9				3.2*	4.5*				3.6*	5.1*	
	D			4.0	5.2				9.6	12.4				7.6	9.8	
1600	B			2.2	3.0				2.8*	3.5				3.1*	4.4	
	D			2.7	3.5				6.4	8.3				5.1	6.5	
1800	B			1.8	2.4				2.3	2.8				2.8	3.5	
	D			1.9	2.4				4.5	5.8				3.6	4.6	
2000	B			1.4	1.9				1.9	2.2				2.2	2.8	
	D			1.4	1.8				3.3	4.3				2.6	3.4	
2200	B			1.2	1.6				1.6	1.9				1.8	2.3	
	D			1.0	1.3				2.5	3.2				2.0	2.5	
2400	B				1.3				1.3	1.6				1.6	2.0	
	D				1.0				1.9	2.5				1.5	1.9	
2600	B				1.1				1.1	1.3				1.3	1.7	
	D				0.8				1.5	1.9				1.2	1.5	
2800	B									1.1				1.1	1.4	
	D									1.6				0.9	1.2	
3000	B														1.2	
	D														1.0	
3200	B														1.1	
	D														0.8	

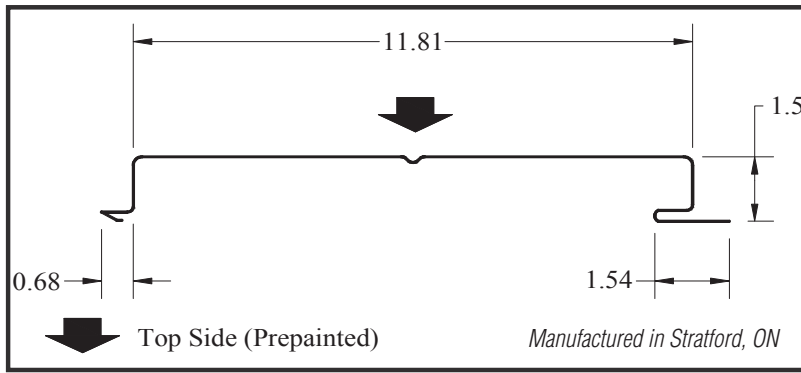
In accordance with ongoing efforts to improve our products and their performance, Vicwest Building Products reserves the right to change without notice the specifications contained herein.

The contents herein are for general information and illustrative purposes only and are not intended to serve as any type of advice. Every effort is made to ensure the accuracy of the information included in this brochure and it is believed that the information contained herein is accurate and reliable as of the date of publication. Vicwest Building Products, however, does not warrant or represent the accuracy or reliability of any information included in this brochure. Any reliance on any information without consultation with Vicwest Building Products or a duly authorized representative shall be at the user's own risk. ©2019, Vicwest Building Products – All rights reserved



VW00153EN02/19

LIMIT STATES DESIGN



CLADDING
AD300R
AD300

Imperial

AD300R as shown above, may be produced in base steel nominal thickness of 0.030" and 0.036".
AD300 without minor rib, may be produced in base steel nominal thickness of 0.030" and 0.036".

Note

- Properties and loads are based on Grade 33 Steel with a minimum yield stress of 33,000 psi, and a maximum stress under Factored loads of 29,700 psi.
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load]+[0.833 x Specified Dead Load].
- Where cladding is subjected only to wind load, strength values may be increased by 7%.
- Figures in row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th 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).
- An * indicates capacity has been reduced to account for web crippling.

PHYSICAL PROPERTIES

(PER FOOT WIDTH) In accordance with CSA Specification S136-07

Base Steel Nominal Thickness (inches)	Nominal Thickness Z275 Coating (inches)	Mass with Coating (lb/ft ²)	Section Modulus		Moment of Inertia (inches ⁴)	Factored Resistance			
			Midspan (inches ³)	Support (inches ³)		Moment (lb-in)		Reaction (pounds)	
						Midspan (lb-in)	Support (lb-in)	Exterior (pounds)	Interior (pounds)
0.018	0.020	----	----	----	----	----	----	----	----
0.024	0.026	----	----	----	----	----	----	----	----
0.030	0.032	1.915	0.0965	0.1267	0.0930	2866.1	3763.0	404	569
0.036	0.038	2.275	0.1289	0.1516	0.1199	3828.3	4502.5	562	809
0.048	0.050	----	----	----	----	----	----	----	----

LOAD TABLE

Maximum Specified Uniformly Distributed Load in lb/ft² (psf)

Support Spacing		1-Span Base Steel Nominal Thickness (inches)					2-Span Base Steel Nominal Thickness (inches)					3-Span Base Steel Nominal Thickness (inches)				
		0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048
		4' - 0"	B			80	106			76*	108*					86*
	D			127	164			305	393					240	309	
4' - 6"	B			63	84			67*	96*					77*	109*	
	D			89	115			214	276					169	217	
5' - 0"	B			51	68			61*	80					69*	98*	
	D			65	84			156	201					123	158	
5' - 6"	B			42	56			55*	66					63*	83	
	D			49	63			117	151					92	119	
6' - 0"	B			35	47			46	56					55	69	
	D			38	49			90	116					71	92	
6' - 6"	B			30	40			40	47					47	59	
	D			30	38			71	92					56	72	
7' - 0"	B			26	35			34	41					41	51	
	D			24	31			57	73					45	58	
7' - 6"	B			23	30			30	36					35	44	
	D			19	25			46	60					36	47	
8' - 0"	B				27			26	31					31	39	
	D				20			38	49					30	39	
8' - 6"	B				24			23	28					28	35	
	D				17			32	41					25	32	
9' - 0"	B				21			21	25					25	31	
	D				14			27	35					21	27	

In accordance with ongoing efforts to improve our products and their performance, Vicwest Building Products reserves the right to change without notice the specifications contained herein.

The contents herein are for general information and illustrative purposes only and are not intended to serve as any type of advice. Every effort is made to ensure the accuracy of the information included in this brochure and it is believed that the information contained herein is accurate and reliable as of the date of publication. Vicwest Building Products, however, does not warrant or represent the accuracy or reliability of any information included in this brochure. Any reliance on any information without consultation with Vicwest Building Products or a duly authorized representative shall be at the user's own risk. ©2019, Vicwest Building Products – All rights reserved



VW00153EN02/19