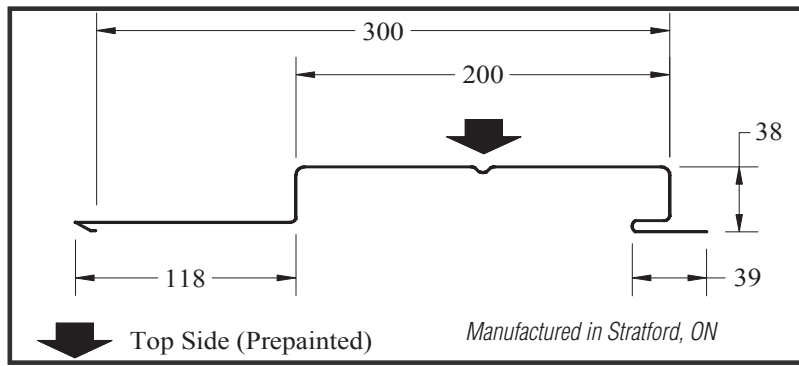


**LIMIT STATES DESIGN**



**CLADDING**  
**AD200R**  
**AD200**

**Metric**

AD200R as shown above, may be produced in base steel nominal thickness of 0.76mm and 0.91mm.

AD200 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 <sup>2</sup> )	Section Modulus		Moment of Inertia (mm <sup>4</sup> x 10 <sup>3</sup> )	Factored Resistance			
			Midspan (mm <sup>3</sup> x 10 <sup>3</sup> )	Support (mm <sup>3</sup> x 10 <sup>3</sup> )		Moment (N-m)		Reaction (kN)	
0.46	0.50	----	----	----	----	----	----	----	----
0.61	0.65	----	----	----	----	----	----	----	----
0.76	0.80	9.35	5.19	8.07	153.8	1074.3	1670.5	5.8	8.3
0.91	0.95	11.11	6.88	10.82	200.3	1424.2	2239.7	8.1	11.7
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/m<sup>2</sup> (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*	5.9*	
	D			7.7	10.0				18.5	24.1				14.6	19.0	
1400	B			2.9	3.9				3.2*	4.5*				3.6*	5.1*	
	D			4.9	6.3				11.7	15.2				9.2	11.9	
1600	B			2.2	3.0				2.8*	3.9*				3.1*	4.4*	
	D			3.3	4.2				7.8	10.2				6.1	8.0	
1800	B			1.8	2.3				2.5*	3.5*				2.8	3.7	
	D			2.3	3.0				5.5	7.1				4.3	5.6	
2000	B			1.4	1.9				2.2*	3.0				2.2	3.0	
	D			1.7	2.2				4.0	5.2				3.1	4.1	
2200	B			1.2	1.6				1.8	2.5				1.8	2.5	
	D			1.3	1.6				3.0	3.9				2.4	3.1	
2400	B				1.3				1.5	2.1				1.6	2.1	
	D				1.3				2.3	3.0				1.8	2.4	
2600	B				1.1				1.3	1.8				1.3	1.8	
	D				1.0				1.8	2.4				1.4	1.9	
2800	B								1.1	1.5				1.1	1.5	
	D								1.5	1.9				1.1	1.5	
3000	B									1.3					1.3	
	D									1.5					1.2	
3200	B									1.2					1.2	
	D									1.3					1.0	

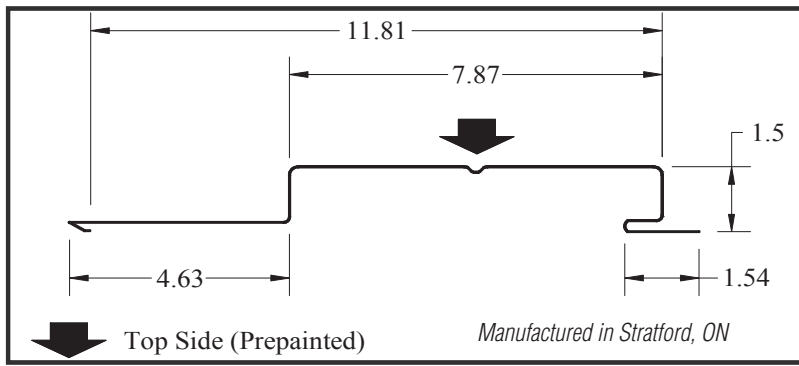
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VW00153EN02/19

**LIMIT STATES DESIGN**



**CLADDING**  
**AD200R**  
**AD200**

**Imperial**

AD200R as shown above, may be produced in base steel nominal thickness of 0.030" and 0.036".  
AD200 without minor rib, may be produced in base steel nominal thickness of 0.030" and 0.036".

**Note**

1. 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.

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.

**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 <sup>2</sup> )	Section Modulus		Moment of Inertia (inches <sup>4</sup> )	Factored Resistance			
			Midspan (inches <sup>2</sup> )	Support (inches <sup>2</sup> )		Moment (lb-in)		Reaction (pounds)	
0.018	0.020	----	----	----	----	----	----	----	----
0.024	0.026	----	----	----	----	----	----	----	----
0.030	0.032	1.915	0.0965	0.1501	0.1126	2866.1	4458.0	397	569
0.036	0.038	2.275	0.1280	0.2013	0.1467	3801.6	5978.6	555	802
0.048	0.050	----	----	----	----	----	----	----	----

**LOAD TABLE**

Maximum Specified Uniformly Distributed Load in lb/ft<sup>2</sup> (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*	107*				86*	122*	
	D			154	200				369	481				291	379	
4' - 6"	B			63	83				67*	95*				77*	108*	
	D			108	141				259	338				204	266	
5' - 0"	B			51	68				61*	86*				69*	97*	
	D			79	103				189	246				149	194	
5' - 6"	B			42	56				55*	78*				63*	87	
	D			59	77				142	185				112	146	
6' - 0"	B			35	47				51*	71*				55	73	
	D			46	59				109	142				86	112	
6' - 6"	B			30	40				47*	63				47	62	
	D			36	47				86	112				68	88	
7' - 0"	B			26	34				40	54				41	54	
	D			29	37				69	90				54	71	
7' - 6"	B			23	30				35	47				35	47	
	D			23	30				56	73				44	57	
8' - 0"	B				26				31	42				31	41	
	D				25				46	60				36	47	
8' - 6"	B				23				27	37				28	37	
	D				21				38	50				30	39	
9' - 0"	B				21				24	33				25	33	
	D				18				32	42				26	33	

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.

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