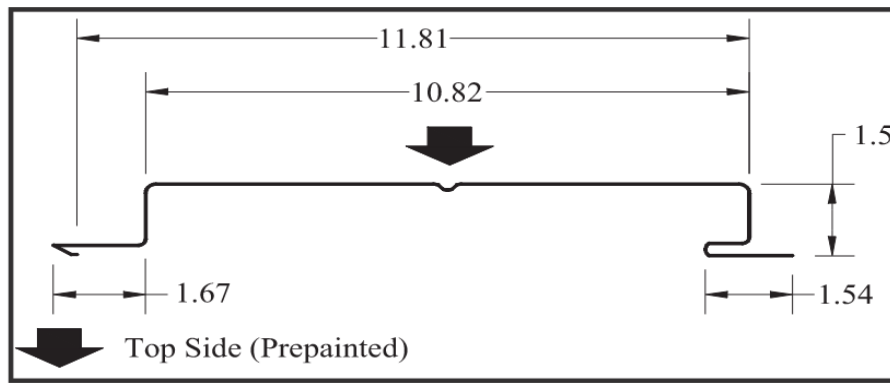


CLADDING

AD275

AD275R

Imperial



AD275R as shown above, can also be produced without minor rib as AD275.

LIMIT STATES DESIGN

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

(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		Reaction	
						Midspan (lb-in)	Support (lb-in)	Exterior (pounds)	Interior (pounds)
0.018	0.020	----	----	----	----	----	----	----	----
0.024	0.026	----	----	----	----	----	----	----	----
0.030	0.032	1.915	0.0991	0.1481	0.1041	2943.3	4398.6	404	569
0.036	0.038	2.275	0.1321	0.1886	0.1350	3923.4	5601.4	562	809
0.048	0.050	----	----	----	----	----	----	----	----

LOAD TABLE

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

Support Spacing (ft)		1-Span Base Steel Nominal Thickness (inch)					2-Span Base Steel Nominal Thickness (inch)					3-Span Base Steel Nominal Thickness (inch)				
		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			82	109				76*	108*				86*
	D			142	184				341	443				269	348	
4'-6"	B			65	86				67*	96*				77*	109*	
	D			100	129				240	311				189	245	
5'-0"	B			52	70				61*	86*				69*	98*	
	D			73	94				175	227				138	178	
5'-6"	B			43	58				55*	78*				63*	89*	
	D			55	71				131	170				103	134	
6'-0"	B			36	48				51*	69				57	76	
	D			42	55				101	131				80	103	
6'-6"	B			31	41				46	59				48	64	
	D			33	43				80	103				63	81	
7'-0"	B			27	36				40	51				42	56	
	D			27	34				64	83				50	65	
7'-6"	B			23	31				35	44				36	48	
	D			22	28				52	67				41	53	
8'-0"	B			20	27				31	39				32	43	
	D			18	23				43	55				34	44	
8'-6"	B				24				27	34				28	38	
	D				19				36	46				28	36	
9'-0"	B				22				24	31				25	34	
	D				16				30	39				24	31	

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

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