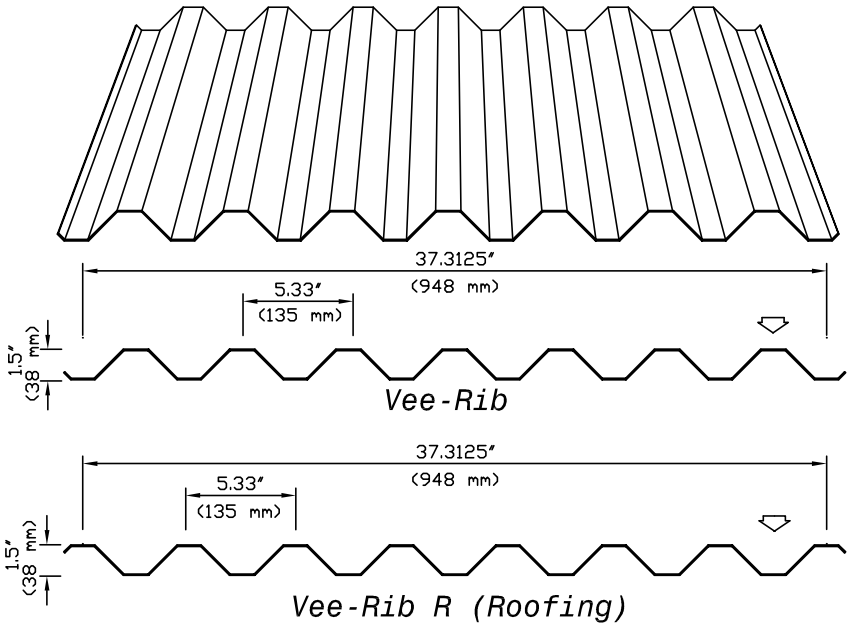
ideal roofing
Company Ltd Manufacturers

Vee-Rib

A symmetrical design combined with strong 1½" (38mm) deep ribs makes the "Vee-Rib" from Ideal Roofing, an attractive choice for use as a siding or roofing profile on commercial and industrial buildings. This rugged and economical panel which covers 37-5/16" (948mm) in width, is roll-formed in lengths up to 40 feet (12.2m).

When ordering the "Vee-Rib", please specify whether this panel is being used as roofing by adding the suffix R; thus designating it "Vee-Rib R" (see profile drawings).



AVAILABLE MATERIALS

Mill finish Galvanized Steel
- (ASTM A-653 SS, grade 33, *Z275* (G-90));
  gauges: 26 (.021"/0.54mm thick),
  24 (.026"/0.66mm thick),
  22 (.032"/0.81mm thick),
  20 (.038"/0.96mm thick).

Mill finish Galvalume Plus Steel
- (ASTM A-792 SS, grade 33, AZ180);
  gauges: 26 (.021"/0.54mm thick),
  24 (.026"/0.66mm thick),
  22 (.032"/0.81mm thick).

Pre-painted Galvanized Steel
- (ASTM A-653 SS, grade 33, Z275 (G-90));
  Perspectra/Weather X Series: see colour chart *1;
  gauges: 26 (.021"/0.54mm thick),
  24 (.026"/0.66mm thick),
  22 (.032"/0.81mm thick).

Minimum Yield Stress	Fy = 33,000.00 P.S.I. (228 Mpa)
Maximum Working Stress	Fb = 20,625.00 P.S.I. (144 Mpa)
Young's Modulus	(E) = 29,500,000.00 P.S.I. (203 Mpa)

*1): Other finishes and gauges are available, contact our office

Total Nominal Thickness (mm)	Core Nominal Thickness (mm)	Section Modulus		Moment of Inertia	Allowable Reaction Ends (N)
		Midspan $mm^3 \times 10^3$	Support $mm^3 \times 10^3$	$mm^4 \times 10^3$	
0.50	0.46	5.42	5.47	113.8	490
0.65	0.61	7.86	9.77	151.9	1037
0.80	0.76	9.77	7.86	189.9	2194
0.95	0.91	11.67	5.47	227.7	2929

(METRIC)

		UNIFORMLY DISTRIBUTED LOADS (Kpa)							
Span Condition	Span (mm)	26 gauge (0.50mm)		24 gauge (0.65mm)		22 gauge (0.80mm)		20 gauge (0.95 mm)	
		B	D	B	D	B	D	B	D
SINGLE	1220	2.63	5.41	5.60	7.28	7.47	9.05	8.96	10.92
	1372	2.35	3.83	4.74	5.12	5.89	6.37	7.04	7.66
	1524	2.11	2.83	3.83	3.69	4.79	4.65	5.70	5.56
	1675	1.92	2.11	3.16	2.83	3.97	3.50	4.74	4.21
	1829	1.77	1.58	2.68	2.16	3.30	2.68	3.97	3.26
	1982	1.58	1.29	2.30	1.72	2.83	2.11	3.40	2.54
	2134	1.34	1.01	1.96	1.34	2.44	1.72	2.92	2.06
	2286	1.20	0.81	1.72	1.10	2.11	1.39	2.54	1.68
	2439	1.05	0.72	1.48	0.91	1.87	1.15	2.25	1.34
	2591	0.91	0.57	1.34	0.77	1.68	0.96	1.96	1.15
	2744	0.81	0.43	1.20	0.62	1.48	0.81	1.77	0.96
	2896	0.72	0.38	1.05	0.57	1.34	0.72	1.58	0.81
	3048	0.67	0.34	0.96	0.43	1.20	0.57	1.44	0.72
DOUBLE	1220	2.49	13.07	5.08	17.48	7.47	21.84	8.96	26.20
	1372	2.20	9.19	4.50	12.26	5.89	15.32	7.04	18.39
	1524	2.01	6.70	3.83	8.96	4.79	11.16	5.70	13.41
	1675	1.82	5.03	3.16	6.70	3.97	8.43	4.74	10.10
	1829	1.68	3.88	2.68	5.17	3.30	6.47	3.97	7.71
	1982	1.53	3.06	2.30	4.07	2.83	5.12	3.40	6.13
	2134	1.39	2.44	1.96	3.26	2.44	4.07	2.92	4.93
	2286	1.20	1.96	1.72	2.68	2.11	3.30	2.54	3.97
	2439	1.05	1.68	1.48	2.16	1.87	2.73	2.25	3.26
	2591	0.91	1.34	1.34	1.87	1.68	2.30	1.96	2.73
	2744	0.81	1.15	1.20	1.53	1.48	1.92	1.77	2.30
	2896	0.72	0.96	1.05	1.29	1.34	1.68	1.58	1.96
	3048	0.67	0.81	0.96	1.15	1.20	1.39	1.44	1.68
TRIPLE	1220	2.83	10.30	5.75	13.74	9.34	17.19	11.16	20.64
	1372	2.54	7.23	5.12	9.63	7.38	12.07	8.81	14.51
	1524	2.25	5.32	4.60	7.04	5.99	8.81	7.14	10.54
	1675	2.06	3.97	3.97	5.32	4.93	6.66	5.89	7.90
	1829	1.87	3.06	3.35	4.07	4.17	5.12	4.98	6.13
	1982	1.72	2.44	2.83	3.21	3.54	4.02	4.21	4.79
	2134	1.63	1.92	2.44	2.54	3.06	3.21	3.64	3.83
	2286	1.48	1.53	2.16	2.11	2.68	2.63	3.16	3.11
	2439	1.29	1.29	1.87	1.72	2.35	2.16	2.78	2.54
	2591	1.15	1.10	1.68	1.39	2.06	1.77	2.49	2.16
	2744	1.05	0.91	1.48	1.20	1.87	1.53	2.20	1.77
	2896	0.91	0.77	1.34	1.01	1.68	1.29	1.96	1.53
	3048	0.81	0.62	1.20	0.91	1.48	1.10	1.77	1.34

B = Load reduced for web crippling D = Load capacity based on deflection L/180

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