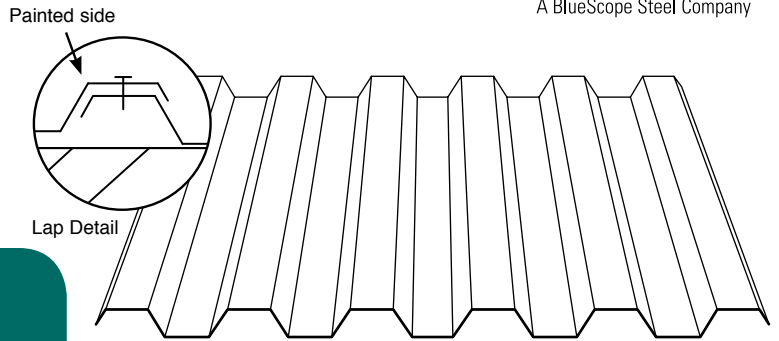


Featuring

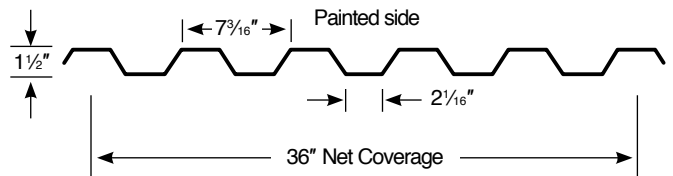
Zincalume[®] For Twice the Life!

Zincalume combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

HR-36 Roof & Wall is a through-fastened metal panel with 36" net coverage. HR-36 Roof & Wall is predominantly used in industrial and commercial applications.



HR-36 Roof & Wall (Typical Roof Application)



36" HR-36 Roof and Wall Section Properties

Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft ²)	S+ (in ³ /ft)	I+ (in ⁴ /ft)	S- (in ³ /ft)	I- (in ⁴ /ft)
24	0.0232	50	65	1.2	0.1239	0.1133	0.1121	0.1100
22	0.0294	50	65	1.5	0.1686	0.1500	0.1544	0.1500
20*	0.0354	40	55	1.8	0.2263	0.1933	0.2076	0.1933
18*	0.0459	40	55	2.3	0.3107	0.2567	0.2947	0.2567

* 18 and 20 gauge supplied as G-90 galvanized.

NOTE: The moments of inertia, I⁺ and I⁻, presented for determining deflection are: $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

features | benefits

- Wider coverage means fewer panels to handle and install, saving time and money.
- Long spanning capability: design provides superior load and span capacities, saving money in structural support.
- Quick, standard economical trim packages available and can be ordered by number.
- Crimp curving available for a unique appearance.
- Fiberglass panels are available to match the profile of the metal panels.
- 24 gauge through 18 gauge panels available in the *cool* DuraTech[®]5000 (polyvinylidene fluoride) or DuraTech mx (metallic polyvinylidene) coatings or Zincalume Plus*. 18, 20 and 22 gauge panels require longer lead times.

36" HR-36 Roof and Wall								
Gauge	Span	Cond.	Allowable Span (ft.-in.)					
			10	20	25	30	40	50
24	SS	f	15-8	11-1	9-11	9-1	7-10	7-0
		L/180	9-11	7-10	7-4	6-10	6-3	5-9
	DS	f	14-11	10-7	9-5	8-7	7-5	6-8
		L/180	13-4	10-7	9-5	8-7	7-5	6-8
	TS	f	16-5	11-12	10-11	9-10	8-8	7-7
		L/180	12-3	9-9	9-0	8-6	7-9	7-2
22	SS	f	18-4	12-11	11-7	10-7	9-2	8-2
		L/180	10-11	8-8	8-0	7-7	6-10	6-4
	DS	f	17-6	12-5	11-1	10-1	8-9	7-10
		L/180	14-8	11-7	10-9	10-1	9-9	8-10
	TS	f	19-8	13-2	12-0	11-11	9-10	8-9
		L/180	13-6	10-8	9-11	9-4	8-6	7-10
20	SS	f	19-0	13-5	12-0	10-11	9-6	8-6
		L/180	11-11	9-5	8-9	8-3	7-6	6-11
	DS	f	18-2	12-10	11-6	10-6	9-1	8-1
		L/180	15-11	12-7	11-6	10-6	9-1	8-1
	TS	f	20-8	14-2	12-1	11-12	10-10	9-9
		L/180	14-8	11-8	10-10	10-2	9-3	8-7
18	SS	f	22-3	15-9	14-1	12-10	11-1	9-11
		L/180	13-1	10-4	9-7	9-0	8-3	7-7
	DS	f	18-8	12-4	11-8	10-6	9-10	8-8
		L/180	17-6	12-11	11-11	10-2	9-10	8-8
	TS	f	24-0	17-5	15-3	14-2	12-0	10-11
		L/180	16-2	12-10	11-11	11-2	10-2	9-5

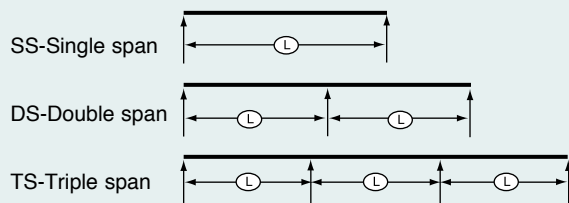
36" HR-36 Roof and Wall									
Gauge	Span	Cond.	Allowable Load (lbs/ft ²) Span (ft.-in.)						
			4-0	5-0	6-0	7-0	8-0	9-0	10-0
24	SS	f	154	99	68	50	38	30	24
		L/180	154	79	45	28	19	13	9
	DS	f	140	89	62	45	35	27	22
		L/180	140	89	62	45	35	27	22
	TS	f	175	112	77	57	43	34	28
		L/180	175	112	77	54	36	25	18
22	SS	f	210	134	93	68	52	41	33
		L/180	205	105	60	38	25	18	13
	DS	f	192	123	85	63	48	38	30
		L/180	192	123	85	63	48	38	30
	TS	f	241	154	107	78	60	47	38
		L/180	241	154	107	72	48	33	24
20	SS	f	226	144	100	73	56	44	36
		L/180	226	135	78	49	33	23	16
	DS	f	207	132	92	67	51	41	33
		L/180	207	132	92	67	51	41	33
	TS	f	259	166	115	84	64	51	41
		L/180	259	166	115	84	62	43	31
18	SS	f	310	198	138	101	77	61	49
		L/180	310	179	104	65	43	30	22
	DS	f	294	188	130	96	73	58	47
		L/180	294	188	130	96	73	58	47
	TS	f	368	235	163	120	92	72	58
		L/180	368	235	163	120	82	58	42

LOADING TABLE LEGEND

f-Load limited by flexural bending stress

L-Span (Inches)

L/180-Load limited by a deflection of 1/180 of the span



NOTES:

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume) with 40,000 psi minimum yield for 20 gauge and 18 gauge, and 50,000 psi minimum yield for 24 gauge and 22 gauge.
- Tabulated values are for positive loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

Specifications subject to change without notice.