

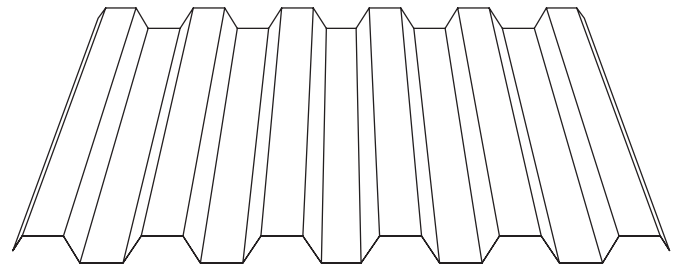
MAC 36HS Roof & Wall

Featuring

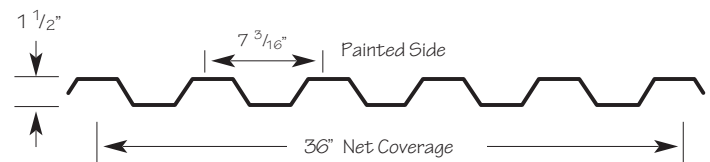
ZINC ALUMINUM COATED STEEL

Zinc Aluminum Coated Steel combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

MAC 36HS is a through-fastened metal panel with 36" net coverage. MAC 36HS roof & wall panels are predominantly used in industrial and commercial applications.



MAC 36HS Roof and Wall (Typical Roof Application)



features | benefits

- Wider coverage means fewer panels to handle and install, saving time and money.
- Long spanning capability: design provides superior load and span capabilities, saving money in structural support.
- Quick, standard economical trim packages available and can be ordered by number.
- Crimp curving available for unique appearance.
- Fiberglass panels are available to match the profile of the metal panels.
- 24 gauge through 18 gauge panels available with polyvinylidene fluoride coating system, or Zinc Aluminum Coated Steel. 18, 20 and 22 gauge panels require longer lead times.

MAC 36HS Roof & Wall Section Properties					
Gauge	Wt. (lbs/ft ²)	S+ (in ³ /ft)	I+ (in ⁴ /ft)	S- (in ³ /ft)	I- (in ⁴ /ft)
24	1.20	.1234	.1116	.1156	.1141
22	1.53	.1711	.1504	.1601	.1544
20*	1.85	.2229	.1907	.2085	.1964
18*	2.46	.3264	.2633	.3055	.2721

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



Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft ²) per Span (ft.-in.)								
			16"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-0"	8'-0"	10'-0"
29	SS	f	651	289	185	129	72	46	32	18	12
		L/180	-	-	-	-	-	40	23	10	5
	DS	f	547	243	156	108	61	39	27	15	10
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	684	304	195	135	76	49	34	19	12
		L/180	-	-	-	-	-	-	-	-	11
26	SS	f	865	384	246	171	96	61	43	24	15
		L/180	-	-	-	-	-	51	30	13	6
	DS	f	725	322	206	143	81	52	36	20	13
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	907	403	258	179	101	64	45	25	16
		L/180	-	-	-	-	-	-	-	-	14
24	SS	f	1391	618	396	275	155	99	69	39	25
		L/180	-	-	-	-	154	79	46	19	10
	DS	f	1258	559	358	249	140	89	62	35	22
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	1573	699	447	311	175	112	78	44	28
		L/180	-	-	-	-	-	-	-	43	22
22	SS	f	1893	841	539	374	210	135	93	53	34
		L/180	-	-	-	-	200	103	59	25	13
	DS	f	1733	770	493	342	193	123	86	48	31
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	2166	963	616	428	241	154	107	60	39
		L/180	-	-	-	-	-	-	-	-	-
20	SS	f	2033	904	578	402	226	145	100	56	36
		L/180	-	-	-	-	-	129	75	31	16
	DS	f	1865	829	530	368	207	133	92	52	33
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	2331	1036	663	460	259	166	115	65	41
		L/180	-	-	-	-	-	-	-	55	28
18	SS	f	2790	1240	794	551	310	198	138	78	50
		L/180	-	-	-	-	-	172	99	42	21
	DS	f	2647	1176	753	523	294	188	131	74	47
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	3308	1470	941	654	368	235	163	92	59
		L/180	-	-	-	-	-	-	-	-	47

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		
w - Distributed load		
Inward Loads	SS-Single span	
	DS-Double span	
	TS-Triple span	

Oil Canning : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.

NOTES:

- Top values based on allowable stress.
Bottom values based on allowable deflection of L/180.
 - "-" denotes that the allowable load is limited by the allowable flexural bending stress.
 - Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume) structural steel.
 - Tabulated values are for positive (Inward) 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.

