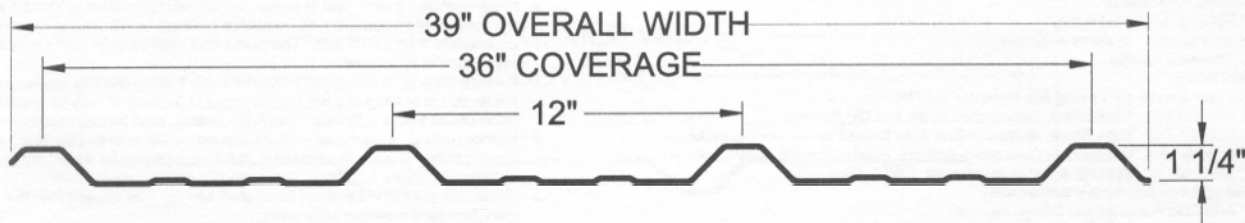


Mighti-Rib[®] PBR

INDUSTRIAL-COMMERCIAL ROOFING & SIDING



Effective January 2000



MATERIAL AND THICKNESS	WT./SQ. PLAIN	WT./SQ. PAINTED	METAL SPECIFICATION	FINISH
GALVANIZED STEEL 26 ga. 24 ga. 22 ga.	99.9 lb. 127.5 lb. 155.1 lb.	101.4 lb. 128.9 lb. 156.5 lb.	Grade 40 (40 ksi yield strength) (Grade 80 (80 ksi yield strength) for 26 ga.) structural steel with G90 coating, both conforming to ASTM A 653	plain: regular spangle paint: two-coat 70% Kynar [®] 500/ Hylar [®] 5000; sili-conized polyester; vinyl plastisol; 0.5 mil two-coat polyester backer (26 ga. panels have Super Alurite [®] paint)
ALUMINUM-ZINC ALLOY COATED STEEL 26 ga. 24 ga. 22 ga.	96.1 lb. 123.3 lb. 151.0 lb.	97.6 lb. 124.8 lb. 152.4 lb.	Grade 40 (40 ksi yield strength) (Grade 80 (80 ksi yield strength) for 26 ga.) structural steel with AZ50 coating, both conforming to ASTM A 792	plain: regular spangle paint: two-coat 70% Kynar [®] 500/ Hylar [®] 5000; sili-conized polyester; vinyl plastisol; 0.5 mil two-coat polyester backer (26 ga. panels have Super Alurite [®] paint)
ALUMINUM .032" .040" .050"	49.8 lb. 62.2 lb. 77.8 lb.	50.9 lb. 63.4 lb. 78.9 lb.	3004-H36 or equivalent (28 ksi yield strength) aluminum alloy conforming to ASTM B 209	plain: mill finish paint: two-coat 70% Kynar [®] 500/ Hylar [®] 5000; sili-conized polyester; vinyl plastisol; 0.5 mil two-coat polyester backer

POSITIVE GRAVITY LOAD TABLE (STEEL)

ga.	spans	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
26	1	112	63	40	28	21	NR	NR
	2	155	87	56	39	29	22	NR
	3	194	109	70	49	36	27	22
24	1	123	69	44	31	23	NR	NR
	2	133	75	48	33	24	NR	NR
	3	167	94	60	42	31	23	NR
22	1	164	92	59	41	30	23	NR
	2	168	95	61	42	31	24	NR
	3	210	118	76	53	39	30	23

POSITIVE GRAVITY LOAD TABLE (ALUMINUM)

thk.	spans	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
.032"	1	114	64	41	28	21	NR	NR
	2	206	116	74	52	38	29	23
	3	258	145	93	64	47	36	29
.040"	1	149	84	54	37	27	21	NR
	2	293	165	105	73	54	41	33
	3	366	206	132	92	67	51	41
.050"	1	196	110	71	49	36	28	22
	2	411	231	148	103	75	58	46
	3	513	289	185	128	94	72	57

NOTES:

1. The allowable loads are based on 1986 AISI and 1986 Aluminum Association specifications.
2. The allowable loads are based on stress only.
3. The allowable loads may be increased by 1/3 for wind loading.
4. The minimum recommended slope for Mighti-Rib PBR panels is 5° (1:12 pitch).
5. The maximum recommended individual panel length for aluminum panels on roofs is 16' due to thermal movement considerations.

UL90 RATING: 26 ga. steel (Grade 80, 80 ksi yield strength) or 24 ga. steel (Grade 40, 40 ksi yield strength) over 16 ga. steel purlins (50 ksi minimum yield strength) spaced at maximum of 60" o.c. The panels are secured to purlins with #12-14 x 1 1/2" SDST screws using 6-6-12-12-6-6 fastener pattern (Construction No. 169).

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