

M PANEL

The ideal panel for roof, walls, interior liners, decking, fascias, residential and agricultural applications. The through fastened PBM-panels' 3/4" low-profile with 6" on center major rib corrugations are designed for strength and versatility while providing an architectural look. The purlin bearing leg provides assurance that the metal-to-metal lap fasteners are seated properly for a weather-tight long term performance when properly installed. Panels can be reverse run to recess the fasteners into the flutes (major ribs) to shadow/conceal their appearance for soffits, fascias and liners. Available in all Alliance Steel Inc Standard (Weather X) and Premium (Fluoropon) colors.

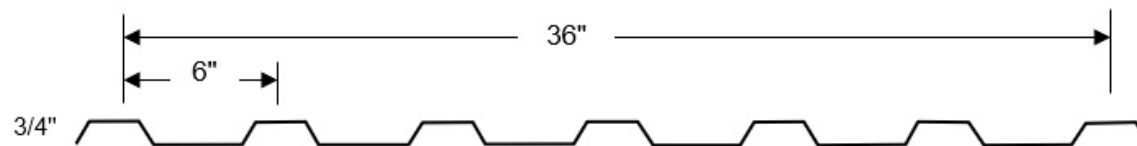


FEATURES

- Direct through fastening system.
- Low profile corrugations designed for strength and versatility.
- 3/4" rib height at 6" on center.
- When used on agricultural roof applications, 3/4" wide lap sealant is provided.

BENEFITS

- Quick and easy installation.
- Ideal panel for liners, decking, and agricultural applications.
- Provides strength yet remains aesthetically pleasing.
- Lap screw placement can vary and still penetrate the sealant.



PBM Panel

- 1.0 Slope
M-Panel is ideal for interior liner and decking applications as well as exterior applications on agricultural buildings
- 2.0 Substructure
M-Panel is designed to be placed over open structural framing but can be used in conjunction with a solid substructure. To avoid panel distortion, be sure the substructure is uniform and properly aligned.
- 3.0 Coverage
Each panel has a net coverage width of 36".
- 4.0 Lengths
Minimum factory cut length is 4'-0". Maximum length is 40'-0".
- 5.0 Fasteners
Panels are fastened to structural with #12x1¼ self-drilling screws. When used as decking, Sidelaps are fastened together with #14x7/8 self-drilling screws. Refer to erection drawing package for fastener location and spacing.
- 6.0 Availability
26 and 29 gauge standard.

Allowable Uniform Loads for 3 or More Spans in PSF																	
		Live Load								Wind Load							
		Stress				Deflection				Stress				Deflection			
Ga	KSI	2'	3'	4'	5'	2'	3'	4'	5'	2'	3'	4'	5'	2'	3'	4'	5'
26	50	187	83.1	46.7	29.9	187	83.1	46.7	26.0	215	95.7	53.9	34.5	215	81.5	34.4	17.6
29	80	153	68.1	38.3	24.5	153	68.1	35.2	18.0	171	76.0	42.7	27.4	171	57.0	24.1	12.3

- Tabulated values are total allowable loads calculated in accordance with the maximum bending stresses for physical and section properties.
- These load capacities are for the panel itself. Frames, purlins, fasteners, and all supports must be designed to resist all loads imposed by the panel.
- Deflection loads are limited by a maximum deflection ratio of L/180 of span.

