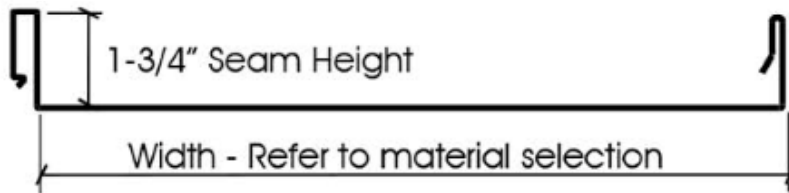
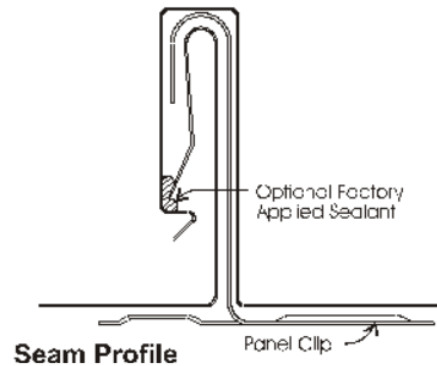
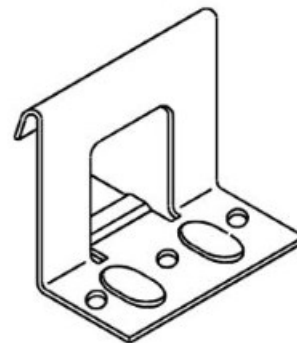


The MP-175 Panel is one of the industry's most popular panel profile options. The snap lock seam provides to the installer a faster installation without compromising seam integrity and strength. This is due to the modest seam height and anti-siphoning design unlike that of other snap seam designs.



- Architectural (solid substrate) or structural (open framing) applications.
- Integral snap-lock design provides continuous interlock at sidelap.
- Roof slopes as low as 3:12. Vertical walls and fascia systems.
- Continuous panel lengths. Field forming available.
- Panels expand and contract freely.
- ASTM E-1680-95 air infiltration tested.
- ASTM E-1646-95 water penetration tested.
- ASTM E-1592 tested for structural performance.
- UL90 uplift resistance classified assemblies.
- 35 year finish warranty.
- Surface patterns include smooth, striated, pencil ribs, and bead ribs.

Panel Clip

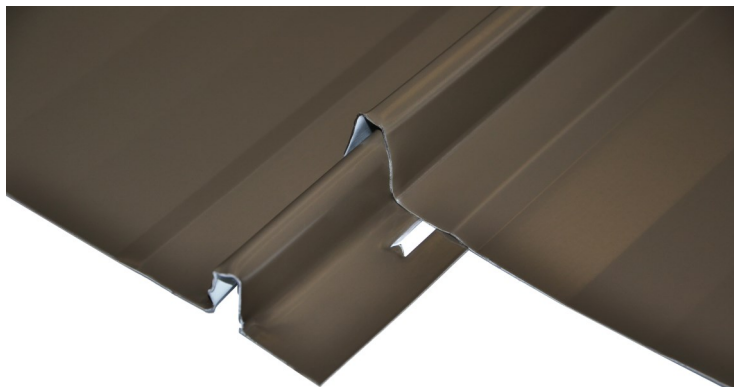


MP-175 Standard Clip (MP175SC)

MATERIALS	STANDARD WIDTHS	OPTIONAL WIDTHS
24 ga. Steel	18"	12", 14", 15", 16"
22 ga. Steel	18"	14", 15", 16"
.040 Aluminum	18"	12", 16"
.032 Aluminum	18"	12", 16"
20 oz. Copper	14"	12", 18"
16 oz. Copper	14"	12", 18"



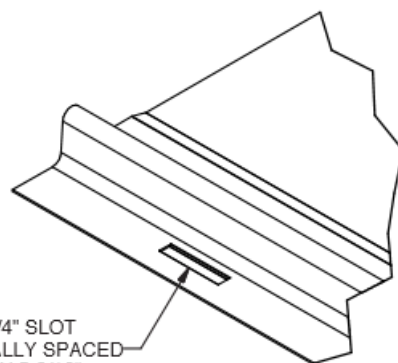
The NS-100 Panel is a cost-effective concealed fastener panel with a continuous integral locking seam that does not require the use of separate clips.



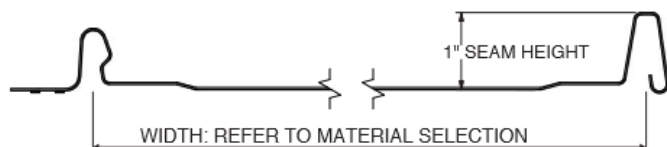
Seam Profile



Nail Strip Detail



1" x 1/4" SLOT
EQUALLY SPACED
EVERY 5-3/16".
FASTENER REQUIRED EVERY THIRD SLOT.



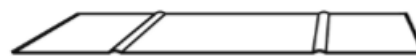
- An architectural panel installed over solid substrate.
- Integral snap-lock design provides continuous interlock at sidelap.
- Applicable for roof slopes as low as 3:12. May also be utilized in vertical wall and fascia systems installations.
- Continuous panel lengths.
- Panels expand and contract freely.
- No clip required (fasteners only).
- Standard silicone-modified polyester finish (30 year warranty) available in 12 standard colors.
- Optional Kynar finish (35 year warranty) is available.
- Surface patterns include smooth, striated, pencil ribs, and bead ribs.

Optional Surface Patterns

Striated



2 Pencil Ribs



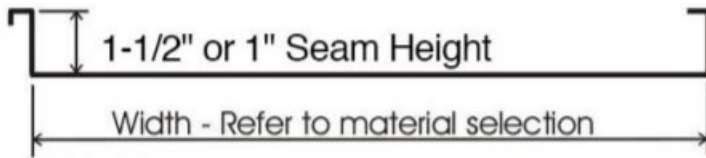
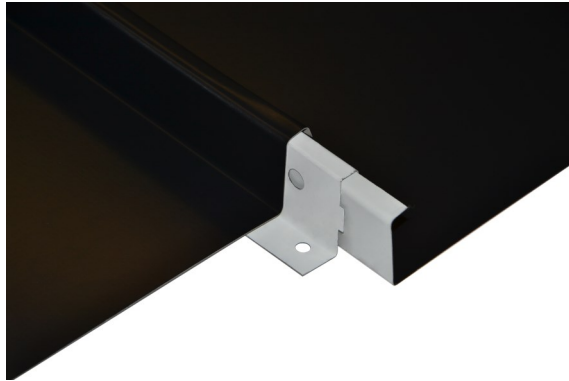
2 Bead Ribs



MATERIAL	STANDARD WIDTHS	OPTIONAL WIDTHS
Silicone Modified Polyester Finish		
26 ga. Steel	16"	12", 20"
Kynar Finish		
24 ga. Steel	16"	12", 20"
.032" Aluminum	16"	12", 20"
Unfinished		
26 ga. Galvalume	16"	12", 20"
24 ga. Galvalume	16"	12", 20"
16 oz. Copper	16"	12", 20"

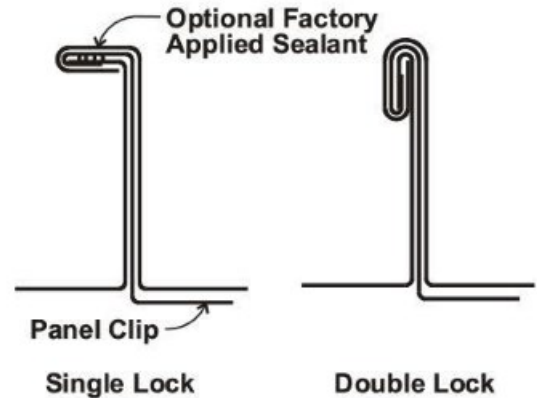


The Sure-Lok Panel has a traditional look with a time proven seam profile. This versatile panel allows designers aesthetic flexibility without compromising the integrity of the roof system. From low to steep slope, straight to curved, structural to architectural applications, the Sure-Lok Panel is the perfect choice for a multifaceted project.

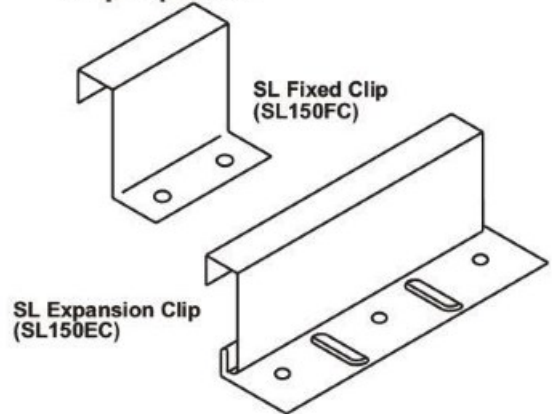


- Architecturally (solid substrate) or structural (open framing) applications.
- Mechanically seamed sidelap with option of single or double lock.
- Low slope less than 3:12 available with optional in-seam sealant.
- Slopes down to 2:12.
- Continuous panel lengths. Field forming available.
- ASTM E-1680-95 air infiltration tested.
- ASTM E-1646-95 water penetration tested.
- ASTM E-1592 tested for structural performance.
- UL90 uplift resistance classified assemblies.
- Curving: Sure-Lok Panel can be curved to a minimum radius of 9'-0" in steel and 4'-0" in aluminum and copper.
- Surface patterns include smooth, striated, pencil ribs, and bead ribs.

Optional Seamed Profiles



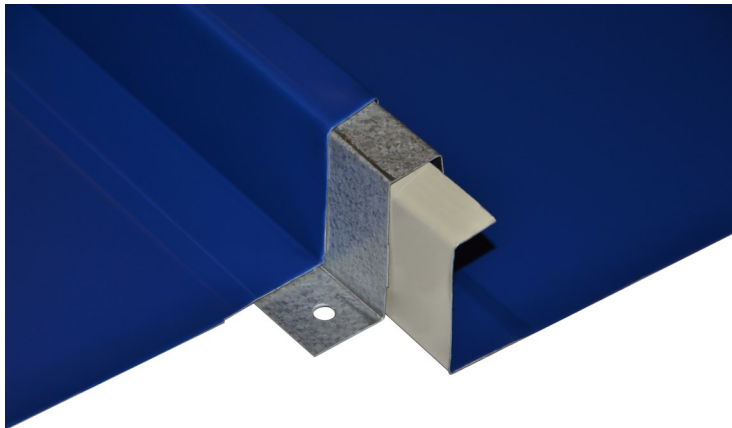
Clip Options



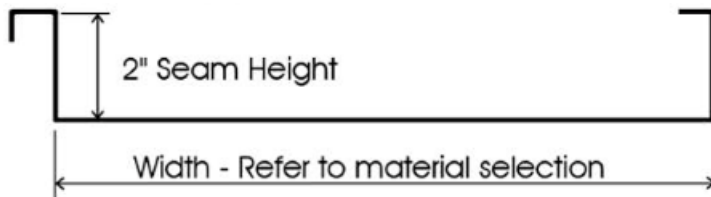
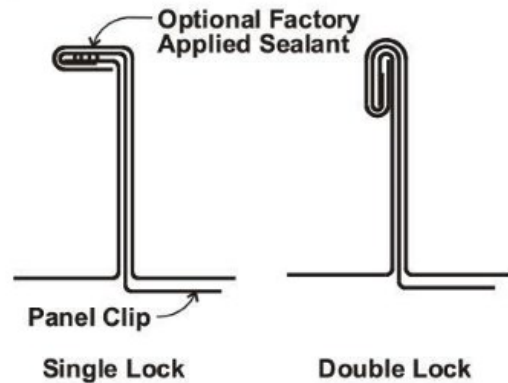
MATERIAL	1-1/2" SEAM HEIGHT STANDARD / OPTIONAL	1" SEAM HEIGHT STANDARD / OPTIONAL
24 ga. Steel	16" / Optional Widths Available	17" / Optional Widths Available
22 ga. Steel	16" / Optional Widths Available	17" / Optional Widths Available
.032" Aluminum	12" / Optional Widths Available	13" / Optional Widths Available
16 oz Copper	16" / Optional Widths Available	17" / Optional Widths Available
20 oz Copper	16" / Optional Widths Available	17" / Optional Widths Available



The MP-200 Panel is the preferred panel for low sloped and/or structural applications. This panel has been designed and tested to meet the most demanding of performance requirements. Superior wind uplift resistance can be achieved with the double lock seam profile.

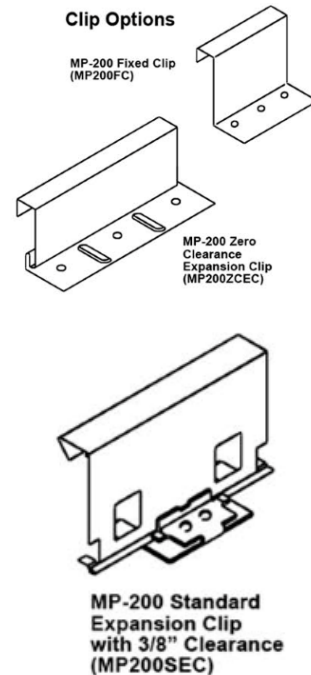


Optional Seamed Profiles



- Architectural (solid substrate) or structural (open framing) applications.
- Mechanically seamed sidelap with option of single or double lock.
- Low slope less than 3:12 available with optional in-seam sealant.
- Slopes down to 1/2:12.
- Concealed clip (fixed or expansion).
- ASTM E-1680-95 air infiltration tested.
- ASTM E-1646-95 water penetration tested.
- ASTM E-1592 tested for structural performance.
- UL 90 uplift resistance classified assemblies.
- Surface patterns include smooth, striated, pencil ribs, and bead ribs.

Clip Options



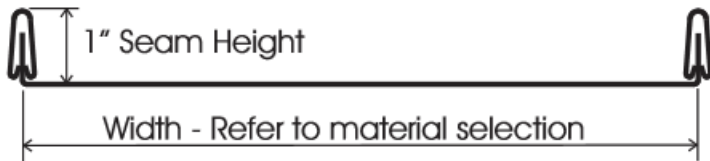
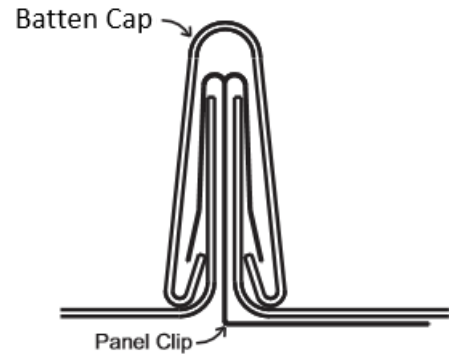
MATERIAL	STANDARD WIDTHS	OPTIONAL WIDTHS
24 ga. Steel	18"	12", 14", 15", 16"
22 ga. Steel	18"	12", 14", 15", 16"
.032" Aluminum	18"	
.040" Aluminum	18"	



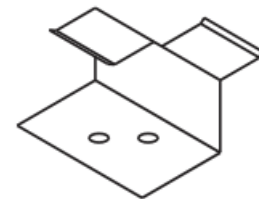
The MP-100 Panel is the ideal panel for complicated roof planes involving many hips and valleys. The seam design allows panels to be installed in two directions from a center panel. This allows for better roof symmetry and easier installation with less waste. The MP-100 Panel is ideal for curved roofs; concave or convex.



Seam Profile



Panel Clip



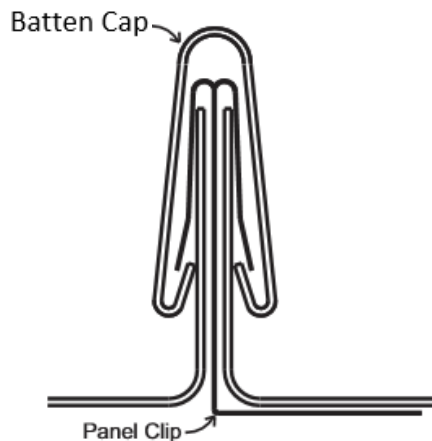
MP-100 Standard Clip (MP100SC)

- Architectural (solid substrate) applications.
- Separate snap-on seam allows panels to be installed in two directions.
- Application on 3:12 slopes and greater.
- Continuous panel lengths. Field forming available.
- Easy panel to install on complicated and multiple roof planes.
- Ideal for roof slope transitions or eave turn-downs.
- CURVING: MP-100 Panels can be installed over barrel style roofs (consult MPS for minimum radius requirements).
- Can be tapered for conical shaped roofs.
- Surface patterns include smooth, striated, pencil ribs, and bead ribs.

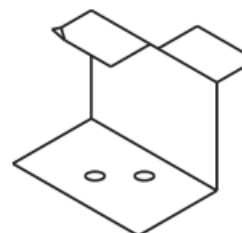
MATERIAL	STANDARD WIDTHS	OPTIONAL WIDTHS
24 ga. Steel	14-1/2"	12", 18-1/2"
22 ga. Steel	14-1/2"	12", 18-1/2"
.032" Aluminum	14-1/2"	
.040 Aluminum	14-1/2"	
16 oz. Copper	13-1/2"	12", 18-1/2"



The MP-150 Panel is ideal for complicated roofs planes involving many hips and valley's, and the taller seam height provides a bolder appearance. The seam design allows panels to be installed in two directions from a center panel. This allows for roof symmetry and easier installation with less waste. The panel is ideal for roofs with slope transitions.



Panel Clip



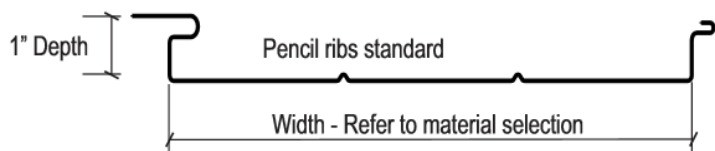
MP-150 Standard Clip (MP150SC)

- Architectural (solid substrate) applications.
- Separate snap-on seam allows panels to be installed in two directions.
- Applications on 3:12 slopes and greater.
- Continuous panel lengths. Field forming available.
- Easy panel to install on complicated and multiple roof planes.
- Ideal for roof slope transitions.
- Surface patterns include smooth, striated, pencil ribs, and bead ribs.

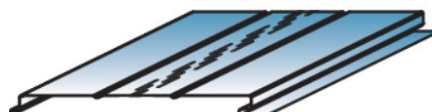
MATERIAL	STANDARD WIDTH	OPTIONAL WIDTH
24 ga. Steel	13", 17"	19", 21"
22 ga. Steel	13", 17"	
.032" Aluminum	13", 18-1/2"	
.040" Aluminum	13", 18-1/2"	



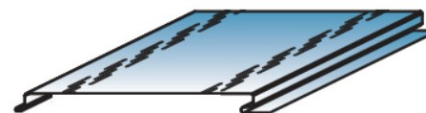
The FP-100 Panel is for soffit, wall, and liner applications. It can be installed over solid substrate or on open framing (36" o.c.). Ideal applications include vertical fascias, soffit, equipment screen, and mansard walls. The FP-100 Panel is available with perforated vent strips for soffit vent application.



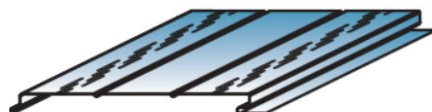
Single row of venting



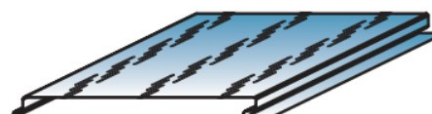
Single row of venting, 2 pencil ribs



2 rows of venting



2 rows of venting, 2 pencil ribs



3 rows of venting
(aluminum only)



3 rows of venting, 2 pencil ribs
(aluminum only)

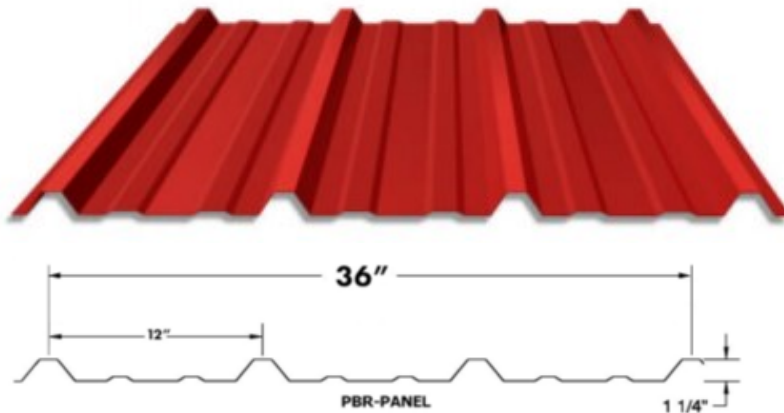
- Versatile panel for soffit, fascia, façade, and walls.
- Install over solid substrate or open framing (up to 36" o.c.).
- Available smooth or with pencil ribs.
- Venting: two rows of perforations for soffit venting.
- Panels expand and contract freely.
- Flush seam connections with hidden fasteners.
- Roll-formed to exact lengths.
- Standard finish is PVDF fluoropolymer coating in 30 standard colors (custom colors available).
- 35 Year finish warranty.

MATERIAL	STANDARD WIDTHS	OPTIONAL WIDTHS
24 ga. Steel	12"	16", 18"
22 ga. Steel	12"	
.032" Aluminum	12"	
.040" Aluminum	12"	

VENTING: Net free vent area for vented panels (2 rows of perforations) is 6.04 square inches per lineal foot.
Option of 3 rows of vents for 9.07 square inches per lineal foot of net free area (aluminum only).
SETUP FEE: 2 rows of vents is our standard, 1 & 3 rows venting options a setup fee will apply.



Premier PBR Panel is a structural panel exposed fastener panel that can be used for both roof and wall applications. The minimum roof slope for PBR is 1/2:12.



- Available in 26 and 24 gauge grade 50 Galvalume.
- SMP paint finish w/30 year warranty in 26 ga.
- Kynar 500 finish w/35 year warranty for 24 ga.
- 39" wide panel with 36" coverage.
- 1-1/4" overall thickness, 4 ribs @ 12" o.c. and two minor ribs in-between.
- Lengths available in 1" increments, 2'-0" min. up to 40'-0" max.
- Weight per lineal foot: 26 ga. 3.08 lbs., 24 ga. 3.60 lbs.
- Max skid weight is 2000 lbs. (26 ga. 650 lf., 24 ga. 555 lf.).

PBR Roof Panel

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi				
SPAN TYPE	LOAD TYPE	SPAN IN FEET		
		3.0	4.0	5.0
1-span	NEGATIVE WIND LOAD	133.48	75.08	48.05
	LIVE LOAD/DEFLECTION	119.08	52.22	26.74
2-span	NEGATIVE WIND LOAD	114.41	66.59	43.33
	LIVE LOAD/DEFLECTION	105.60	71.09	46.37
3-span	NEGATIVE WIND LOAD	138.49	81.62	53.46
	LIVE LOAD/DEFLECTION	120.00	86.91	57.11
4-span	NEGATIVE WIND LOAD	130.70	76.70	50.12
	LIVE LOAD/DEFLECTION	115.50	81.75	53.58

PBR Wall Panel

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi				
SPAN TYPE	LOAD TYPE	SPAN IN FEET		
		3.0	4.0	5.0
1-span	NEGATIVE WIND LOAD	133.48	75.08	48.05
	LIVE LOAD/DEFLECTION	119.08	69.83	44.69
2-span	NEGATIVE WIND LOAD	114.41	66.59	43.33
	LIVE LOAD/DEFLECTION	105.60	71.09	46.37
3-span	NEGATIVE WIND LOAD	138.49	81.62	53.46
	LIVE LOAD/DEFLECTION	120.00	86.91	57.11
4-span	NEGATIVE WIND LOAD	130.70	76.70	50.12
	LIVE LOAD/DEFLECTION	115.50	81.75	53.58

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi				
SPAN TYPE	LOAD TYPE	SPAN IN FEET		
		3.0	4.0	5.0
1-span	NEGATIVE WIND LOAD	126.37	71.08	45.49
	LIVE LOAD/DEFLECTION	125.69	70.70	38.51
2-span	NEGATIVE WIND LOAD	120.59	69.04	44.56
	LIVE LOAD/DEFLECTION	117.33	69.40	44.80
3-span	NEGATIVE WIND LOAD	148.17	85.44	55.34
	LIVE LOAD/DEFLECTION	133.33	85.87	55.62
4-span	NEGATIVE WIND LOAD	139.13	80.03	51.77
	LIVE LOAD/DEFLECTION	128.33	80.43	52.04

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi				
SPAN TYPE	LOAD TYPE	SPAN IN FEET		
		3.0	4.0	5.0
1-span	NEGATIVE WIND LOAD	126.37	71.08	45.49
	LIVE LOAD/DEFLECTION	125.69	70.70	45.25
2-span	NEGATIVE WIND LOAD	120.59	69.04	44.56
	LIVE LOAD/DEFLECTION	117.33	69.40	44.80
3-span	NEGATIVE WIND LOAD	148.17	85.44	55.34
	LIVE LOAD/DEFLECTION	133.33	85.87	55.62
4-span	NEGATIVE WIND LOAD	139.13	80.03	51.77
	LIVE LOAD/DEFLECTION	128.33	80.43	52.04

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/60 under 10-year wind loading.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.

SECTION PROPERTIES								
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	NEGATIVE BENDING			POSITIVE BENDING		
			l _{xe} (IN./FT.)	S _{xe} (IN. ³ /FT.)	Max _o (KIP-IN.)	l _{xe} (IN./FT.)	S _{xe} (IN. ³ /FT.)	Max _o (KIP-IN.)
26	60*	0.94	0.0309	0.0449	1.8019	0.0382	0.0381	1.6759
24	50	1.14	0.0420	0.0570	1.7060	0.0551	0.0567	1.6988

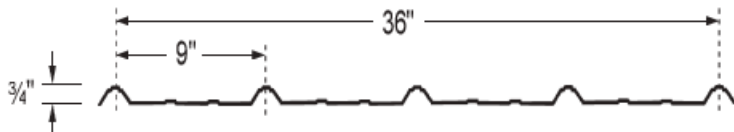
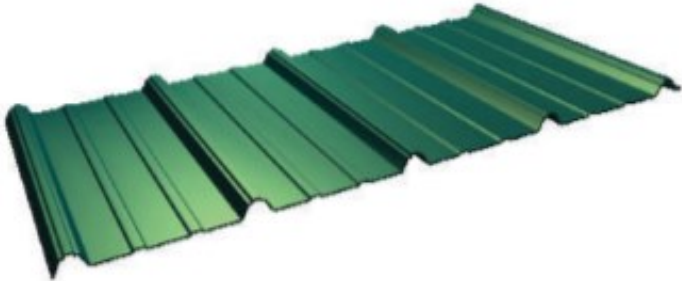
* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:

1. All calculations for the properties of PBR Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. l_{xe} is for deflection determination.
3. S_{xe} is for bending.
4. Max_o is allowable bending moment.
5. All values are for one foot of panel width.



Premier AG Panel is great for residential, light commercial, agricultural and storage buildings and also for canopies. The Premier AG Panel should be installed over a solid, waterproofed deck when used as a roof panel in a residential application. Great for exterior wall panels or interior ceilings and walls.



- Available in 29 or 26 gauge grade 50 Galvalume.
- SMP paint finish w/30 year warranty.
- Roof slopes as low as 3:12. Vertical walls and fascia systems.
- 38" wide panel with 36" coverage.
- 3/4" overall thickness, 5 ribs @ 9" o.c. and two minor ribs in-between.
- Lengths available in 1" increments, 2'-0" minimum up to 40'-0" max.
- Weight per lineal foot: 29 ga 2.28 lbs., 26 ga. 3.08 lbs.
- Max skid weight is 2000 lbs. (29 ga. 877 lf., 26 ga. 650 lf.).

PANEL GAUGE	F _y (KSI)	WEIGHT (PSF)	NEGATIVE BENDING			POSITIVE BENDING		
			I _{xe} (IN.4/FT.)	S _{xe} (IN.3/FT.)	Maxo (KIP-IN.)	I _{xe} (IN.4/FT.)	S _{xe} (IN.3/FT.)	Maxo (KIP-IN.)
29	60*	0.63	0.0061	0.0173	0.6213	0.0102	0.0157	0.5651
26	60*	0.82	0.0083	0.0248	0.8919	0.0131	0.0205	0.7345

*F_y is 80 ksi reduced to 60 ksi in accordance with the 2001 edition of the *North American Specification For Design of Cold-Formed Steel Structural Members*

NOTES:

1. All calculations for the properties of Premier AG panel are calculated in accordance with the 2001 edition of the *North American Specification For Design of Cold-Formed Steel Structural Members*.
2. I_{xe} is for deflection determination.
3. S_{xe} is for Bending.
4. Maxo is allow able bending moment.
5. All values are for the one foot of panel width.

29 Gauge (F _y = 60ksi)		ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT						
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	Negative Wind Load	103.6	66.3	46.0	33.8	25.9	20.5	16.6
	Live Load/Deflection	94.2	57.1	33.0	20.8	13.9	9.8	7.1
2 SPAN	Negative Wind Load	94.2	60.3	41.9	30.8	23.5	18.6	15.1
	Live Load/Deflection	90.6	58.8	41.1	30.4	23.3	18.5	15.0
3 SPAN	Negative Wind Load	117.7	75.3	52.3	38.4	29.4	23.3	18.8
	Live Load/Deflection	111.5	72.7	51.0	37.7	26.3	18.5	13.5
4 SPAN	Negative Wind Load	109.9	70.4	48.9	35.9	27.5	21.7	17.6
	Live Load/Deflection	104.7	68.1	47.8	35.3	27.1	19.6	14.3

26 Gauge (F _y = 60ksi)		ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT						
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	Negative Wind Load	148.7	95.1	66.1	48.5	37.2	29.4	23.8
	Live Load/Deflection	122.4	73.3	42.4	26.7	17.9	12.6	9.2
2 SPAN	Negative Wind Load	122.4	78.3	54.4	40.0	30.6	24.2	19.6
	Live Load/Deflection	117.8	76.4	53.5	39.5	30.3	24.0	19.5
3 SPAN	Negative Wind Load	153.0	97.9	68.0	50.0	38.3	30.2	24.5
	Live Load/Deflection	144.9	94.5	66.3	49.1	33.8	23.7	17.3
4 SPAN	Negative Wind Load	142.9	91.4	63.5	46.7	35.7	28.2	22.9
	Live Load/Deflection	136.1	88.6	62.1	45.9	35.3	25.2	18.3

NOTES:

1. Allow able loads are based on uniform span lengths and F_y = 60ksi.
2. LIVE LOAD is limited by bending, shear, combined shear & bending, or web crippling.
3. NEGATIVE WIND LOAD does not contain a 33.333% increase and does not consider fastener pullout or pullover.
4. Above table is an approximate table only.
5. The weight of the panel has not been deducted from the allow able loads.
6. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
7. This material is subject to change without notice.

