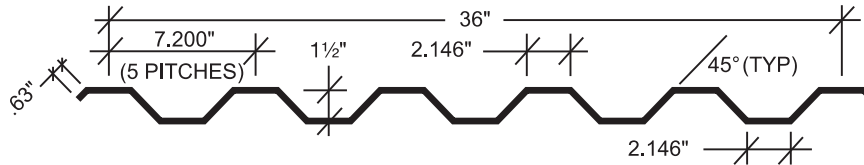




Commercial/Industrial

PRODUCT INFORMATION

7.2 PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.66	0.048	0.048	1.928	0.050	0.056	2.269
26	60*	0.86	0.072	0.077	3.208	0.075	0.091	3.759
24	50	1.06	0.100	0.113	3.395	0.099	0.124	3.719
22	50	1.36	0.134	0.156	4.675	0.133	0.171	5.114

* 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 7.2 Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.



PRODUCT INFORMATION

Commercial/Industrial

7.2 PANEL

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	142.84	80.35	51.42	35.71	26.24	20.09	15.87
	LIVE LOAD/DEFLECTION	102.44	68.59	35.12	20.32	12.80	8.57	6.02
2-span	NEGATIVE WIND LOAD	110.34	71.62	49.82	36.44	27.70	21.71	17.44
	LIVE LOAD/DEFLECTION	102.19	64.82	44.37	32.09	24.20	18.86	15.09
3-span	NEGATIVE WIND LOAD	123.35	82.15	58.28	43.24	33.22	26.25	21.21
	LIVE LOAD/DEFLECTION	115.90	75.44	52.58	38.51	28.80	19.30	13.55
4-span	NEGATIVE WIND LOAD	119.43	78.91	55.63	41.08	31.45	24.78	19.99
	LIVE LOAD/DEFLECTION	111.72	72.13	49.98	36.45	27.66	20.76	14.58

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	237.61	133.66	85.54	59.40	43.64	33.41	26.40
	LIVE LOAD/DEFLECTION	162.95	103.02	52.75	30.53	19.22	12.88	9.04
2-span	NEGATIVE WIND LOAD	222.59	136.44	91.38	65.16	48.68	37.69	30.01
	LIVE LOAD/DEFLECTION	143.95	107.96	79.83	56.57	42.08	32.49	25.82
3-span	NEGATIVE WIND LOAD	258.47	162.17	110.20	79.32	59.63	46.36	37.03
	LIVE LOAD/DEFLECTION	163.58	122.69	97.08	64.84	40.83	27.35	19.21
4-span	NEGATIVE WIND LOAD	247.30	153.99	104.13	74.72	56.05	43.52	34.72
	LIVE LOAD/DEFLECTION	157.45	118.09	91.48	65.14	44.07	29.52	20.74

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	251.48	141.46	90.53	62.87	46.19	35.36	27.94
	LIVE LOAD/DEFLECTION	202.14	135.78	69.52	40.23	25.33	16.97	11.92
2-span	NEGATIVE WIND LOAD	253.79	147.73	96.14	67.39	49.79	38.27	30.31
	LIVE LOAD/DEFLECTION	156.28	117.21	88.20	61.73	45.57	35.00	27.71
3-span	NEGATIVE WIND LOAD	307.17	181.07	118.61	83.46	61.81	47.58	37.73
	LIVE LOAD/DEFLECTION	177.59	133.19	106.55	76.57	53.77	36.02	25.30
4-span	NEGATIVE WIND LOAD	289.91	170.16	111.21	78.15	57.83	44.49	35.27
	LIVE LOAD/DEFLECTION	170.93	128.19	102.17	71.66	52.97	38.84	27.28

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	346.31	194.80	124.67	86.58	63.61	48.70	38.48
	LIVE LOAD/DEFLECTION	322.96	181.52	92.94	53.78	33.87	22.69	15.94
2-span	NEGATIVE WIND LOAD	357.18	205.97	133.40	93.26	68.79	52.81	41.80
	LIVE LOAD/DEFLECTION	199.38	149.54	119.63	85.47	63.01	48.35	38.26
3-span	NEGATIVE WIND LOAD	435.96	253.83	165.20	115.80	85.57	65.76	52.09
	LIVE LOAD/DEFLECTION	226.57	169.93	135.94	106.25	71.31	47.77	33.55
4-span	NEGATIVE WIND LOAD	410.29	238.09	154.70	108.33	80.00	61.46	48.67
	LIVE LOAD/DEFLECTION	218.07	163.56	130.84	99.36	73.31	51.25	35.99

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.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

COMMERCIAL/INDUSTRIAL

• *Final color selection should be made from actual color chips.*

- See product selection chart for gauge and finish availability.
- All products available in smooth or embossed finish.
- Trim available in all colors.
- A 40-year limited paint warranty is available upon written request for all colors except for Crimson Red, Polar White and Brite Red. Please review our sample warranty for complete performance attributes and terms and conditions.

SIGNATURE® 200








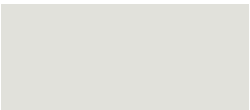
STANDARD COLORS
26- AND 24-GAUGE MATERIAL

Siliconized Polyester

Polar White is a Straight Polyester.

* Also available in 29-gauge

** Minimum quantities and/or extended lead times required for 24-gauge. Please inquire.

			
HAWAIIAN BLUE** ★ SR .32 SRI 35	CRIMSON RED** ★ SR .33 SRI 34	FERN GREEN** ★ SR .28 SRI 29	BURNISHED SLATE** ★ SR .28 SRI 29
			
ASH GRAY ★ SR .48 SRI 56	SADDLE TAN ★ SR .48 SRI 56	DESERT SAND ★ SR .42 SRI 48	KOKO BROWN ★ SR .28 SRI 30
			
CHARCOAL GRAY** ★ SR .28 SRI 30	COBALT BLUE** ★ SR .28 SRI 27	RUSTIC RED ★ SR .36 SRI 40	LIGHT STONE ★ SR .50 SRI 58
			
POLAR WHITE* ★ SR .58 SRI 69	SOLAR WHITE** ★ SR .74 SRI 91		

SIGNATURE® 300

STANDARD COLORS
26-GAUGE MATERIAL
PBR, PBU, AVP, PBC, PBD
PANELS ONLY

* Also available in 24-gauge

** Minimum quantities and/or extended lead times required for 24-gauge. Please inquire.

† Minimum quantities and/or extended lead times required for all gauges. Please inquire.

			
MEDIUM BRONZE* ★ SR .33 SRI 36	SNOW WHITE* ★ SR .65 SRI 79	SLATE GRAY** ★ SR .37 SRI 41	ALMOND* ★ SR .63 SRI 76
			
CLASSIC GREEN** ★ SR .28 SRI 30	BROWNSTONE* ★ SR .47 SRI 54	BRITE RED † ★ SR .49 SRI 55	HARBOR BLUE** ★ SR .28 SRI 30
			
BONE WHITE** ★ SR .70 SRI 85			



SOLAR REFLECTIVITY (SR)?

Solar reflectivity or reflectance (SR) is the ability of a material to reflect solar energy from its surface back into the atmosphere. The SR value is a number from 0 to 1.0. A value of 0 indicates that the material absorbs all solar energy and a value of 1.0 indicates it is all reflected. Energy Star requires SR testing of both new and aged roof products. New products must have an SR value of 0.25 or higher for steep slope (above 2:12) roofing and an SR value of 0.65 or higher for low slope (2:12 or less) roofing. Aged testing takes 3 years to complete, so not all products that meet the initial requirements are qualified. For more information, please go to www.energystar.gov.



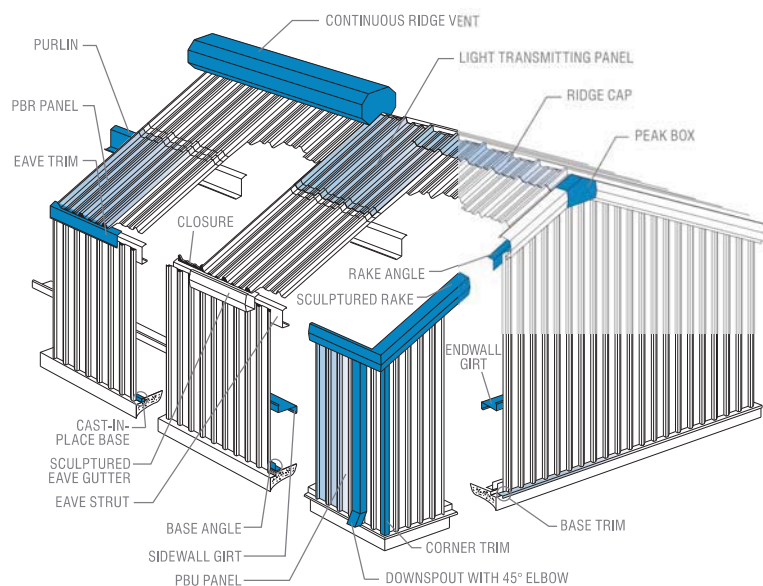
SOLAR REFLECTANCE INDEX (SRI)?

The SRI is used to determine compliance with LEED requirements and is calculated according to ASTM E 1980 using values for reflectance and emissivity. Emissivity is a material's ability to release absorbed energy. To meet LEED requirements, a roofing material must have an SRI of 29 or higher for steep slope (above 2:12) roofing and an SRI value of 78 or higher for low slope (2:12 or less) roofing. For more information, please go to www.usgbc.org.

PANEL PROFILE	Panel	29 GAUGE		26 GAUGE			24 GAUGE			22 GAUGE	
		Galvalume Plus	Sig 200	Galvalume Plus	Sig 200	Sig 300	Galvalume Plus	Sig 200	Sig 300	Galvalume Plus	Sig 200
 "PBR" PANEL	PBR	●	■	●	●	■	■	■	■	●	■
 "PBU" PANEL	PBU	●	■	●	●	■	■	■	■	●	■
 "PBC" PANEL	PBC	●	■	●	●	■	■	■	■	●	■
 "PBD" PANEL	PBD	●	■	●	●	■	■	■	■	●	■
 7.2 PANEL	7.2	●	■	●	■	■	●	■	■	●	■
 "AVP" PANEL	AVP	●	■	●	●	■	■	■	■	●	■

● Available in any quantity

■ May require minimum quantity



AVAILABLE ACCESSORIES

- Hat and Channel Sections
- Light Transmitting Panels
- Vents
- Roof Jacks
- Fasteners
- Ridge Caps
- Closures
- Doors
- Windows
- Sealants
- Insulation
- Bracing
- Bolts
- Louvers
- Sliding Door Hardware

