

REGAL RIB®

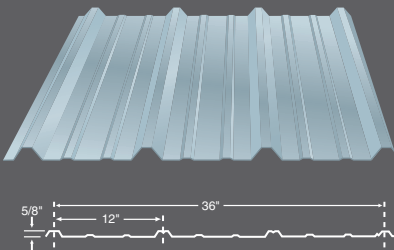
American Since 1908

PRODUCT INFORMATION

- Panel Type - Exposed Fastener Metal Panel
- Panel Width Coverage - 36"
- Rib Height - 5/8"
- Gauge - 29 & 26 gauge
- Metal Panel Substrate - Galvalume®
- Paint Finish Type - Siliconized Polyester

TESTING INFORMATION

- UL® Fire Rating - Class A

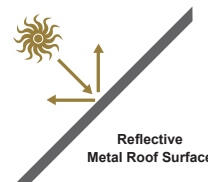


Regal Rib® panels are formed from high tensile strength, 29-gauge and 26-gauge steel and can be utilized in a variety of applications. These exposed fastening panels are UL® rated and designed with 12" rib spacing, with 4 major ribs (5/8" rib height) and 6 minor ribs.

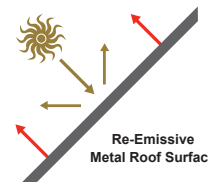
You want your investment to give you years of reliability, that's why ABC utilizes a siliconized polyester Signature® paint system. Signature® 200, a state of the art, baked-on coating process that is applied on our coating facilities, providing years of warranted protection. Regal Rib® panels are available in a number of Valspar high-end colors, see our color charts for additional information.



While asphalt traps heat...



metal roofs reflect solar energy...



and pigments re-emit heat.

Reflective, Energy-Efficient Benefits of Metal*

* Reflective graphics provided by Metal Roofing Alliance, www.metalroofing.com



For the most current information available, visit our website at www.abcmetalroofing.com



AMERICAN BUILDING COMPONENTS

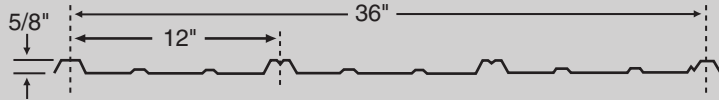


Regal Rib® Product Information

APPLICATIONS GUIDE



- 5/8" rib with 36" coverage
- 12" rib spacing with 4 major ribs and 6 minor ribs
- Durable, baked-on paint finish
- Complete line of trim and accessories
- Anti-siphon feature
- Wide variety of beautiful colors
- 29-gauge standard (inquire for other gauges)
- Galvanized and Galvalume®



WHY AMERICAN BUILDING COMPONENTS?

American Building Components offers a wide variety of metal roofing and building components at cut-to-the-inch job lot quantities. Since 1908, we've provided superior quality metal roofing and building products for our customers, backed by industry leading warranties. Through a nationwide network of manufacturing facilities and distributorships, ABC offers unmatched quality and convenience, with superior customer service.

SECTION PROPERTIES

PANEL GAUGE	WEIGHT (PSF)	FY (KSI)	NEGATIVE BENDING			POSITIVE BENDING		
			Ixe (IN ⁴ /ft.)	Sxe (IN ³ /ft.)	Maxo (Kip in.)	Ixe (IN ⁴ /ft.)	Sxe (IN ³ /ft.)	Maxo (Kip in.)
29	0.75	60*	0.0025	0.0088	0.340	0.0041	0.0098	0.406
26	0.94	60*	0.0035	0.0129	0.511	0.0062	0.01483	0.632

* 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 Regal Rib® 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.

NOTE: Section properties are applicable for use with Live Load / Deflection only. Negative Wind Load capacities must be determined from ASTM E1592 test data.

ALLOWABLE UNIFORM LOADS (PSF) IN POUNDS PER SQUARE FOOT

29 - GAUGE (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
1-span	Negative Wind Load	56.60	36.22	25.15	18.48	14.15	10.16	7.41
	Live Load/Deflection	44.75	22.91	13.26	8.35	5.59	3.93	2.86
2-span	Negative Wind Load	63.21	41.43	29.16	21.60	16.62	13.18	10.71
	Live Load/Deflection	53.89	35.08	24.60	18.18	13.97	11.07	8.42
3-span	Negative Wind Load	76.88	50.83	35.96	26.73	20.62	16.38	13.32
	Live Load/Deflection	66.02	43.27	29.78	18.75	12.56	8.82	6.43
4-span	Negative Wind Load	72.44	47.75	33.72	25.03	19.30	15.32	12.45
	Live Load/Deflection	62.05	40.58	28.52	20.09	13.46	9.45	6.89

26 - GAUGE (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
1-span	Negative Wind Load	85.17	54.51	37.85	27.81	20.64	14.50	10.57
	Live Load/Deflection	67.29	34.45	19.94	12.56	8.41	5.91	4.31
2-span	Negative Wind Load	96.30	63.53	44.88	33.33	25.70	20.40	16.59
	Live Load/Deflection	80.21	52.41	36.82	27.25	20.96	16.12	11.75
3-span	Negative Wind Load	116.28	77.54	55.14	41.12	31.80	25.30	20.60
	Live Load/Deflection	97.85	64.45	41.76	26.30	17.62	12.37	9.02
4-span	Negative Wind Load	109.83	72.97	51.78	38.56	29.78	23.68	19.27
	Live Load/Deflection	92.11	60.50	42.64	28.10	18.83	13.22	9.64

- 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. **When the panel is installed over plywood or some other solid structural substrate, the above LIVE LOAD/DEFLECTION values are invalid, and the NEGATIVE WIND LOAD capacity is determined strictly by the capacity of the solid structural substrate.**
 4. **NEGATIVE WIND LOAD** capacities are for those loads that pull the panel away from its supports, and are based on ASTM E1592 test results. Because the E1592 test results are not valid for single-span conditions, this panel is not recommended for single-span applications and no single-span capacity has been listed for either NEGATIVE WIND LOAD or LIVE LOAD/DEFLECTION cases.
 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. Please contact ABC for most current data.

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