

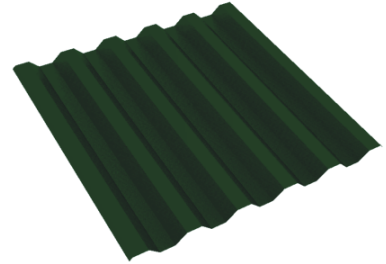


STEEL BUILDINGS, INC.

26 Ga. 7.2/7.2N RIB

1. PRODUCT NAME

Whirlwind Building Components
Commercial Roof and Wall System
26 Ga. 7.2/7.2N Rib Panel



2. MANUFACTURER

Whirlwind Building Components

8234 Hansen Road
Houston, TX 77075
Phone: (800) 324-9992
Fax: (832) 553-4700

2175 Sweetwater Industrial Blvd.
Lithia Springs, GA 30122
Phone: (800) 363-8142
Fax: (770) 739-1226

2450 E.L. Anderson Blvd.
Claremore, OK 74017
Phone: (877) 875-0077
Fax: (918) 343-7114

500 Whirlwind Drive
Freeport, MN 58331
Phone: (888) 836-7203
Fax: (320) 836-7201

3. PRODUCT DESCRIPTION

Basic Use:

For roofing new buildings or retrofitting existing buildings. Panels are attached to the sub-structure with exposed fasteners. Panels are available with a Class 90 UL uplift rating.

The panels are produced with 1 1/2" high major ribs at 7.2" centers and the panels coverage is 36" for 7.2 Rib and 28.8" for 7.2N Rib.



Materials:

Standard panel material

- 26 gauge steel coated both sides with a layer of (Galvalume ©) aluminum-zinc alloy (approximately 55% aluminum and 45% zinc) applied by the continuous hot-dip method. Triple spot test per ASTM A-792.

- Ceram-A-Star colored panels are Galvalume® based material. The exterior is given a finish coat of High Performance Silicone Polyester formulation, applied over a properly treated and primed surface. The exterior coat is 0.7 mils minimum thickness. The total exterior film thickness including primer is 0.9 to 1.15 mils thick. The interior finish is a pigmented polyester backer.

- The panels are also available in the Trinar (Kynar 500) paint system in Kelly Green, River Teal and Deep Blue colors.

Flashing Material

- The flashing material is the same gauge, color and finish as the panel.

Panel Mastic (Optional)

- Panel side laps, panel endlaps, ridge, gable and eave sealers are butyl-based pressure sensitive tape mastic that is non-staining, non-corrosive, non-volatile and non-toxic. The tape is 100% polyisobutylene-isoprene (butyl rubber) meeting the performance requirements of Federal specification #TT-C-1796A. Service temperature is from -40° to +180° F.

- All gutter joints, downspout joints, rake, eave and ridge flashing laps are sealed with Schnee-Morehead SM7108 or equivalent, meeting or exceeding the test requirements of TT-S-00230C, Type II, Class A.

Fasteners

- Fasteners for connecting panels to purlins or girts (when insulation thickness is 3" or less) are #12 x 1 1/4 " self-drilling screws with long life hex heads and washer or #12 x 1 1/2" self-drilling screws with long life hex head and washer (when insulation thickness is between 3" and 6").



Corporate Head Quarters

8234 Hansen Road,
Houston, TX 77075
Phone: (800) 324-9992
www.WhirlwindSteel.com

7.2 / 7.2N DESIGN PROPERTIES						
PANEL GAUGE	F _y (KSI)	WEIGHT (PSF)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I _x (In. ⁴ -Ft.)	M _a (In-Kip)	I _x (In. ⁴ -Ft.)	M _a (In-Kip)
29	60*	0.71	0.0460	1.7500	0.0430	1.4833
26	60*	0.87	0.0630	2.5433	0.0593	2.1400
24	50	1.14	0.0953	3.4733	0.0950	3.1533
22	50	1.47	0.1300	4.9100	0.1300	4.4167

* 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 - A2.3.2.

NOTES:

1. All section properties are calculated in accordance with the 2001 edition of the North American Specification for Design Of Cold-Formed Steel Structural Members.
2. I_x is for deflection determination.
3. M_v is allowable bending moment

4. TECHNICAL DATA

Physical Properties:

Paint System (Cream-A-Star)

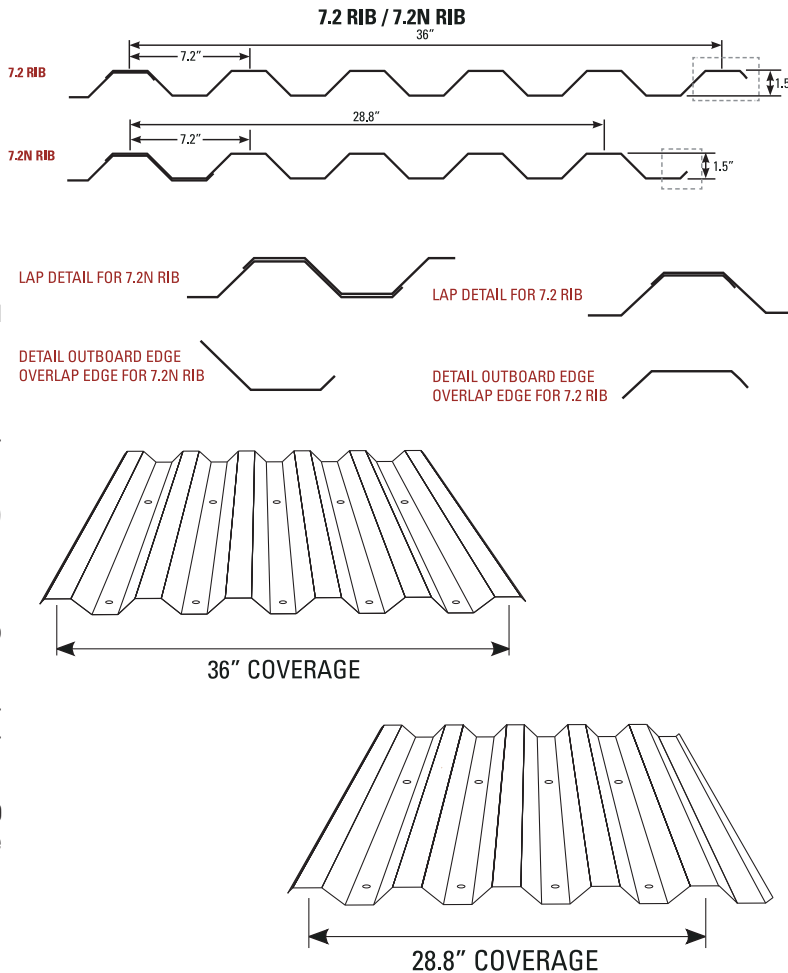
- Specular Gloss (60° Head): ASTM D 523 - 25% to 40%.
- Pencil Hardness: ASTM D 3363 - F.
- Bend Adhesion: ASTM D4145 - 2T - no loss of adhesion.
- Cross Hatch Adhesion: ASTM D 3359-no loss of adhesion.

Paint System Field Performance

- Film integrity: 40 years with no blistering, peeling or cracking.
- Chalk Resistance: ASTM D 4214-2000 hours-Weatherometer-rat-ing no greater than #8.
- Color Change: ASTM D 2244-2000 hours-Weatherometer no more than 5 NBS units.

5. INSTALLATION

- Minimum roof slope to be no less than 1/4:12.
- The panel is designed to end-lap easily without the need for notching or cinch straps. Endlap to be 4" minimum.
- The 7.2 and 7.2N Panels can be used in wall applications in the same manner as a roof applications.
- In roof applications, Whirlwind recommends that the 7.2 Panel endlap occurs over the purlin. There should be one run of tape sealer in the endlap.



6. AVAILABILITY AND COST

Whirlwind Building Components
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7. WARRANTY

Available warranties include 25 year base material and paint warranties up to 40 years also are available.

8. MAINTENANCE

Only normal routine maintenance is required. Roofs should be inspected yearly and gutters cleaned as needed.

9. TECHNICAL SERVICES

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10. FILING SYSTEMS

Galvalume® is a registered trademark of BIEC International, Inc.

Ceram-A-Star™ is a registered trademark of Akzo Nobel Coatings Inc.

