



STEEL BUILDINGS, INC.

# 26 Ga. SUPER SPAN / SUPER SPAN X

## 1. PRODUCT NAME

Whirlwind Building Components  
Commercial Roof and Wall System  
26 Ga. Super Span X 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

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## 3. PRODUCT DESCRIPTION

### Basic Use:

For roof and walls for new buildings and retrofitting existing metal 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 1/4" high major ribs at 12" centers and the panel coverage is 36".



### 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 a 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 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 carbon steel hex heads and washer or #12 x 1 1/2" self-drilling screws with carbon steel hex head and washer (when insulation thickness is between 3" and 6").

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### Corporate Head Quarters

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

SUPER SPAN / SUPER SPAN X DESIGN PROPERTIES						
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			Ix (In4/Ft)	Ma (Kip-In/Ft)	Ix (In4/Ft)	Ma (Kip-In/Ft)
26 (t=.0170")	60*	0.83	0.0370	1.2697	0.0323	1.6610
26 (t=.0176")	60*	0.86	0.0380	1.4057	0.0337	1.7230
24	50	1.09	0.0570	1.7500	0.0467	1.8633

\* Fy 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. Ix is for deflection determination.
3. Mx is allowable bending moment.

**4. TECHNICAL DATA**

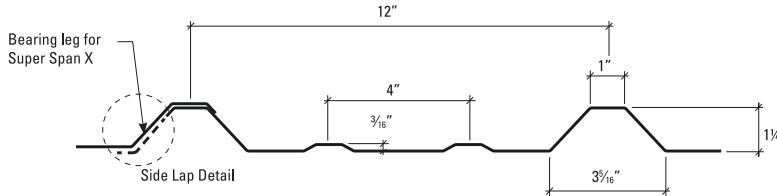
**Physical Properties:**

**Paint system (Ceram-A-Star)**

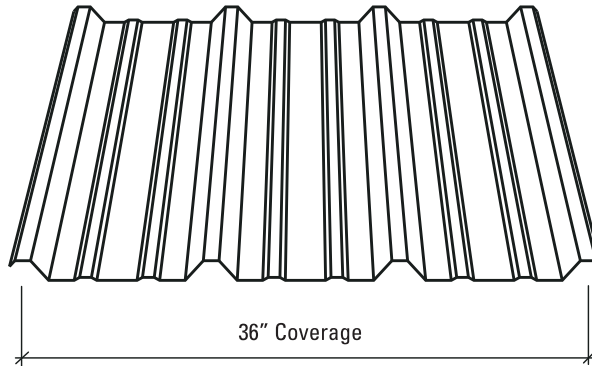
- Specular Gloss (60° Head): ASTM D 523 – 25% to 40%.
- Pencil Hardness: ASTM D 3363-F
- Bend Adhesion: ASTM D4145 - 2T, no loss of adhesion
- Cross Hatch adhesion: ASTM D 3359 - no loss of adhesion

**Paint System Field Performance**

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



**Super Span / Super Span X Roof and Wall Panel**



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**5. INSTALLATION**

- Minimum roof slope to be no less than 1/2:12.
- The panel is designed to end-lap easily without the need for notching or cinch straps. Endlap to be 4" minimum.
- The Super Span Panel can be used in wall applications in the same manner as a roof applications.
- In roof applications, Whirlwind recommends that the Super Span X Panel endlap occurs over the purlin. There should be one run of tape sealer in the endlap.

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**6. AVAILABILITY AND COST**

Whirlwind Building Components  
8234 Hansen Road  
Houston, TX 77075  
Phone: (800) 324-9992

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**7. WARRANTY**

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

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**8. MAINTENANCE**

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

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**9. TECHNICAL SERVICES**

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Website: www.WhirlwindSteel.com

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**10. FILING SYSTEMS**

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

Kynar 500® is a registered trademark of Elf Autochem North America, Inc.

