

Precautions

- Oil canning is not a cause for rejection. Heavier gauges, narrower widths, striations, and embossing minimize oil canning.
- Sealant for end laps and lap joints shall be non-drying, non-toxic, and non-shrinking with a serviceable temperature of -60° - 212° F (-51° - 100° C).
- Quality, long-life butyl sealants work best as a gasket sandwiched between two pieces of metal. Non-acetic cured, silicone, color-matching sealants are recommended when voids must be filled. Sealants are not a substitute for proper assembly and workmanship.
- Exercise caution when handling to avoid injury or product damage.
- Refer to Safety Data Sheets (SDS) for safety information, including PPE.
- Immediately remove protective film after installation.**

Manufacturing Location: Anoka, MN



Product Data

Property	Value
Panel Type	Concealed Fastener Panels
Material Options	<u>G90 Galvanized Steel</u> : 22 ga (0.64 mm) and 24 ga (0.79 mm) <u>Aluminum</u> : 0.040 in. (1.02 mm) and 0.050 in. (1.27 mm)
Optional Materials	<u>G90 Galvanized Steel</u> : 18 ga (1.44 mm) and 20 ga (1.11 mm) Contact Amrize Technical Services prior to specified
Color	Amrize standard or custom colors
Finish	Kynar 500®/Hylar 5000® high-performance fluorocarbon resinous coatings
Optional Finish	Anodized (aluminum substrate only)
Sealant	Factory- or field-applied butyl
Clip	None required, options for 1/2 in. (12.70 mm) or 3/4 in. (19.05 mm) stand-off clip
Substrate	Sub-girt System or smooth wall
Standard Panel Surface	Smooth or stucco embossed
Starter Pieces	Stocked in 10 ft (3.05 m) length, random color <u>G90 Galvanized Steel</u> : 22-ga (0.64 mm) <u>Aluminum</u> : 0.040 in. (1.02 mm)

MANUFACTURING NOTE:

- When mill-finished or anodized aluminum panels are ordered, no lancing on the top of the panel will be provided for clip/fastener connection.
- No lancing on steel panels 120 in. (3,048.00 mm) or less.
- No lancing on aluminum panels 84 in. (2,133.60 mm) or less.

Product Size

Property	Value
Maximum Panel Width	16 in. (406.40 mm)
Minimum Panel Width	16 in. (406.40 mm)
Maximum Panel Length	<u>Aluminum</u> : 30 ft (9.1 m) <u>Steel</u> : 22 ft (6.7 m) NOTE: Contact Amrize Technical Services for longer lengths
Minimum Panel Length	60 in. (1,524.00 mm)

Technical Information	
Property	Value
Air Infiltration	ASTM E283
Water Penetration	ASTM E331
Structural Performance	ASTM E330 & E1592
Dynamic Water Penetration	AAMA 501.1

Typical Properties		
Material and Thickness	Metal Specification	Available Finishes
<u>Aluminum</u> 0.040 in. (1.02 mm) 0.050 in. (1.27 mm)	Base Metal: Aluminum Minimum Yield: 21 KSI (145 MPa) Thermal Expansion: 12.6×10^{-6} in/in/°F (22.68×10^{-6} mm/mm/°C) Modulus of Elasticity: 10.0×10^3 x KSI (68.9 MPa)	Anodized Kynar 500/Hylar 5000 Unpainted/Mill Finish
<u>Zincalume®/Galvalume® Steel</u> 24 ga (0.64 mm) 22 ga (0.79 mm) 20 ga (1.11 mm) 18 ga (1.44 mm)	Base Metal: AZ-50 Hot Dipped Galvalume Minimum Yield: 50 KSI (345 MPa) Thermal Expansion: 6.7×10^{-6} in/in/°F (12.06×10^{-6} mm/mm/°C) Modulus of Elasticity: 29.0×10^6 x KSI (200 GPa)	Zincalume Plus/ Galvalume Plus/ Acrylume® - Clear Acrylic Coated Kynar 500/Hylar 5000

NOTE: Consult the appropriate base metal sheet and coil product data sheet for additional information on the base metal and coating. Not all materials and thicknesses are available from all locations.

Contact EXCEPTIONAL Metals Technical Services at (866) 337-4599 for further information.

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