

Concealed Fastening System

Technical Sheet

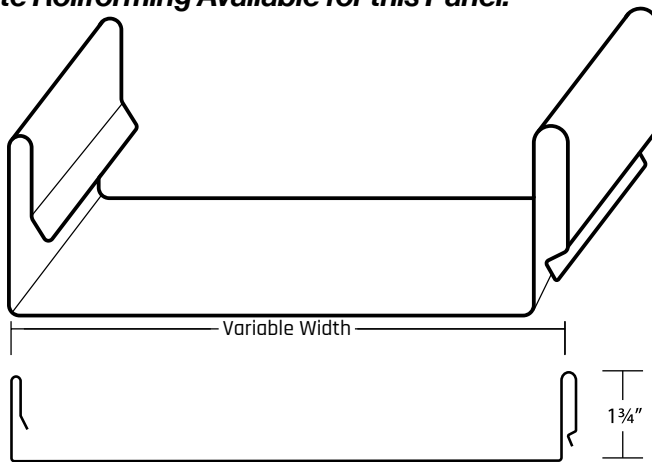


GuardianX Series / Sure Snap SL175 HD™

Product Highlights

The 13/4" Sure Snap SL175 HD™ is a Architectural Snap Lock Standing Seam Metal Roof Panel that has all fasteners concealed for a sleek look and most importantly incredible strength and weather resistance. The 13/4" Snap Seam Panel can be installed over a solid substrate or open purlin system. This Metal Roofing Panel uses a clip system that allows the panel to float for the expansion and contraction of the steel. When using an 18ga Clip, this panel has incredible wind resistance. This Standing Seam Metal Roof Panel comes in a variety of standard widths and colors, but can be customized to the needs that you are looking for. This panel can be rollformed on-site or at our facility in Rigby, Idaho. Rollforming on-site can help reduce shipping costs and damage to the panels in the shipping process.

On-Site Rollforming Available for this Panel.



Materials Available

26ga, 24ga, 22ga Steel

0.032" Aluminum

16oz, 20oz Natural Copper

WeatherXL™ SMP by Sherwin-Williams®
Fluropon® by Sherwin-Williams®PVDF (Kynar 500®)

Textured / Crinkle (Rawhide)
Vintage®

Western Rust
Cor-Ten AZP® Raw
Copper-Ten® Raw
Galv-Ten® Raw
Galvalume® (Acrylic Coating)
Galvanized
Electro-Galvanized
Galvannealed
Bonderized Weathering Steel
ReziBond® Weathering Steel
Cold Rolled Weathering Steel
A606-4 (Corten) Weathering Steel
Hammered Copper
Stainless Steel
Perforated
(See Color Guide(s) for Many More Options)



Product Specifications

- Applications:** Roofing, Wall, Soffit, Fascia, Ceiling, Interior (Weatherightness Warranty Available)
- Coverage:** Standard Widths: 10", 12", 14", 16", 18" (Custom Widths from 8" to 24")
- Rib Height:** 1 3/4" Tall Standing Seam Rib
- Fastening System:** Concealed Fastening Expansion & Contraction Clip System
- Length(s):** Maximum Length of 150' + Minimum Length of 3'0"
- Minimum Slope:** 3/4:12 Pitch or greater with thermally applied butyl sealant & recommended self-adhered underlayment covering entire substrate
2:12 Pitch or greater (optional: recommended thermally applied butyl sealant)
- Substrate Install:** Solid or Open Purlin System
- Ribbing Options:** Smooth, Striations, Box Ribs, Pencil Ribs

- Thickness:** 24ga High Quality Grade D Steel (yield strength of 50,000 psi) (optional) 26ga, 22ga (Please inquire for more available thicknesses)
- Coatings:** Fluropon® by Sherwin-Williams® PVDF (Kynar 500® or Hylar 5000®) Fluropon® by Sherwin-Williams® PVDF 3 Coat (Kynar 500® or Hylar 5000®) WeatherXL™ SMP by Sherwin-Williams® (Silicone Modified Polyester) Super Dynapon by Sherwin-Williams® (ceramic pigment polyester coating) AZ55 Galvalume® with Acrylic Coating
- Substrate:** G90 Galvanized Grade D (yield strength of 50,000 psi) (optional) AZ50, AZ55 Galvalume®, G100 Galvanized (optional) Embossing Available
- Field Conditions:** Oil Canning is inherent in all light gauge metal products & is not a cause for rejection. Visit www.briggssteel.com/oilcanning for more information.
- Accessories:** Trim, Custom Trim, Fasteners, Sealant, Closures, Venting, Pipe Flashings, Underlayment, Snow Retention, Polycarbonate Panels, Many Tools.
- More Details:** For more information about this profile, please visit www.BriggsSteel.com

Protective Film Available Upon Request

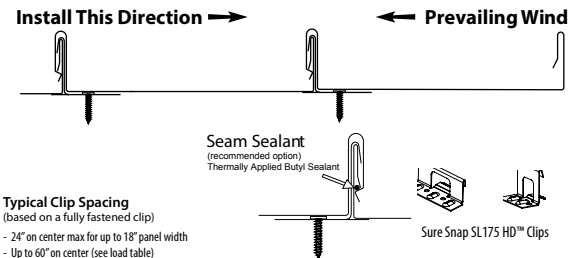
Note: For standard color selection, consult the current Briggs Steel Color Selection Guides. Custom colors are available upon request.
*Actual coverage may vary slightly due to the characteristics of the steel

Live Load (PSF)	30"	36"	42"	48"	54"	60"
2 or More Spans	129	88	63	49	40	32
3 or More Spans	160	112	81	63	48	39

*Based on 29ga Grade E Steel (yield strength of 80,000 psi)

Testing

Meets Requirements for:
UL 580 Class 90 & ASTM E1592 Uplift Resistance
UL 2218 Class 4 Impact Resistance
UL 263 & UL 790 Class A Fire Resistance
ASTM E283 & ASTM E1680 Air Infiltration
ASTM E331 & ASTM E1646 Water Penetration
For more testing information please visit www.briggssteel.com/resources/testing



*The above diagrams are the typical fastener pattern. However pattern & spacing may not be appropriate for all applications. Consult local building codes and/or professional engineer for alternative use.

www.BriggsSteel.com

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