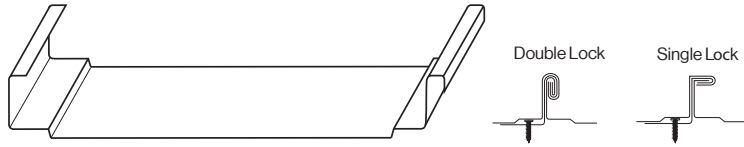


Technical Information

Concealed Fastening System



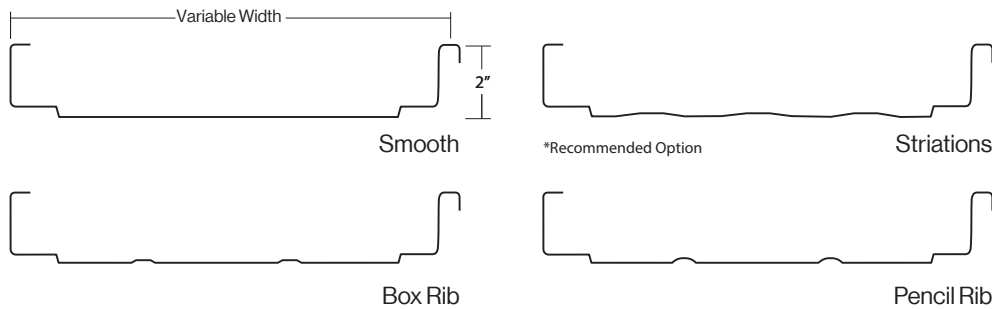
DefenderX Series / Sure Lock ML200 HD™



Product Highlights

The Sure Lock ML200 HD™ is a 2" Mechanical Lock Structural Standing Seam Panel Metal Roof Panel that has all fasteners concealed for a sleek look and most importantly incredible strength and weather resistance. This Metal Roofing Panel provides a traditional look and utilizes mechanical seaming to enhance design needs. The 2" Mechanical Double Lock Panel can be installed using an expansion/floating or fixed clip system. This panel is ideal for low slopes, wide spans and open purlin systems. This panel can be single or double locked and is available 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

Fluropon® by Sherwin-Williams® PVDF (Kynar 500®)
Durapon70® by Dura Coat Products 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 (Weathertightness Warranty Available)	Thickness:	24ga High Quality Grade D Steel (yield strength of 50,000 psi) (optional) 26ga, 22ga (Please inquire for more available thicknesses)
Coverage:	Standard Widths: 10¾", 16", 18¾" (Custom Widths from 8" to 25½")	Coatings:	Durapon70® by Dura Coat Products PVDF (Kynar 500® or Hylar 5000®) Ceranamel™ XT-40S SMP by Dura Coat Products (Silicone Modified Polyester) 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® Plus with Acrylic Coating
Rib Heights:	2" Tall Standing Seam Rib	Substrate:	G90 Galvanized Grade D (yield strength of 50,000 psi) (optional) AZ50, AZ55 Galvalume®, G100 Galvanized (optional) Embossing Available
Fastening System:	Concealed Fastening System using Fixed or Expansion Clips (Seamer Required)	Fielding 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.
Length(s):	Maximum Length of 150' + Minimum Length of 3'0"	Accessories:	Trim, Custom Trim, Fasteners, Sealant, Closures, Venting, Pipe Flashings, Underlayment, Snow Retention, Polycarbonate Panels, Many Tools.
Minimum Slope:	¼:12 Pitch or greater with thermally applied butyl sealant & recommended self-adhered underlayment covering entire substrate ¾:12 Pitch or greater (optional: recommended thermally applied butyl sealant)	More Details:	For more information about this profile, please visit www.BriggsSteel.com
Substrate Install:	Solid or Open Purlin System		
Ribbing Options:	Smooth, Striations, Box Ribs, Pencil Ribs		

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.

*Based on 18" wide 24ga Grade D Steel (yield strength of 50,000 psi)

For more testing information please visit www.briggssteel.com/resources/testing

For more load table information, please contact Briggs Steel sales representative.

Live Load (PSF)	30"	36"	42"	48"	54"	60"
2 or More Spans	157	123	92	70	56	46
3 or More Spans	171	145	106	81	65	52

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 E1690 Air Infiltration
ASTM E331 & ASTM E1646 Water Penetration

Typical Fastener Spacing

(based on a fully fastened clip)
- 24" on center max for up to 18 1/4" panel width
- Up to 60" on center (see load Table)

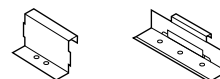
*The above diagrams are the typical fastener pattern. However pattern & spacing may not be appropriate for all applications. Consult local building codes and/or professional engineer for alternative use.

Install This Direction →

← Prevailing Wind



Sure Lock ML200™ Clips



Seam Sealant



www.BriggsSteel.com

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