

Concealed Fastening System

Technical Sheet

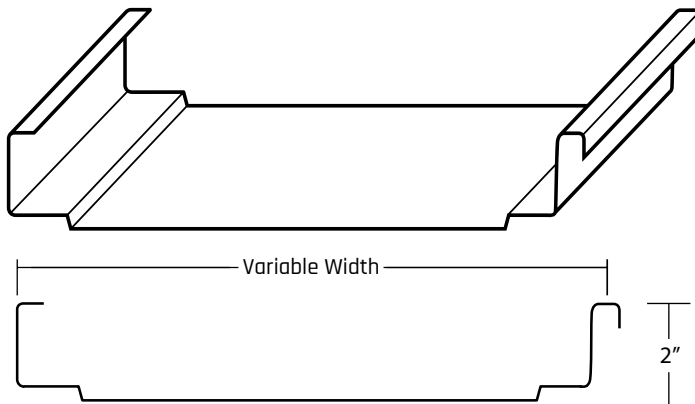


DefenderX Series / Sure Lock ML200 HD™

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)



SHERWIN-WILLIAMS
Coil Coatings

Dura Coat
PRODUCTS
An Analta Coating Systems Company

Product Specifications

Applications: Roofing, Wall, Soffit, Fascia, Ceiling, Interior
(Weathertightness Warranty Available)

Coverage: Standard Widths: 10 3/4", 16", 18 3/4"
(Custom Widths from 8" to 25 1/2")

Rib Height: 2" Tall Standing Seam Rib

Fastening System: Concealed Fastening System using Fixed or Expansion Clips (Seamer Required)

Length(s): Maximum Length of 150' +
Minimum Length of 3'0"

Minimum Slope: 1/4:12 Pitch or greater with thermally applied butyl sealant & recommended self-adhered underlayment covering entire substrate
3/4:12 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: 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

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

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	157	123	92	70	56	46
3 or More Spans	171	145	106	81	65	52

*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

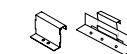
For more testing information please visit www.briggssteel.com/resources/testing

Install This Direction →

← Prevailing Wind



Sure Lock ML200 HD™ Clips



Typical Clip 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)

Double Lock

Single Lock



Seam Sealant
(recommended option)
Thermally Applied Butyl Sealant

*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

Toll-Free: (866) 724-7171

Phone: (208) 745-1500

Copyright © 2020 by Briggs Steel. All rights reserved. Rev 07/19.

Due to product advancements, changes and other factors, we reserve the right modify or delete the information herein without prior notice.