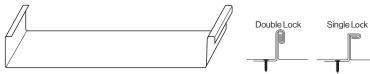


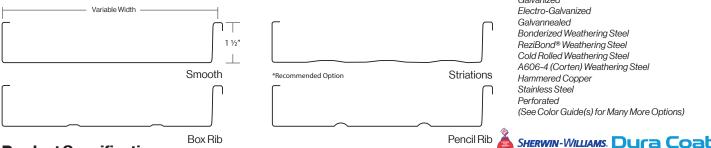
# DefenderX Series / Sure Lock ML150<sup>™</sup>



### **Product Highlights**

The 1½" Sure Lock ML150™ Mechanical Lock Panel is a Architectural Standing Seam 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 11/2" Mechanical Lock Panel can be installed using a expansion/floating or fixed clip system. 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

0.7mm, 0.8mm Natural Zinc

WeatherXL<sup>™</sup>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**

			An Axalta Coating Systems Company
Applications:	Roofing, Wall, Soffit, Fascia, Ceiling, Interior	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: 12 1/2", 16 1/2", 20 1/2"		
	(Custom Widths from 7" to 27 1/2")	¦Coatings:	Fluropon® by Sherwin-Williams® PVDF (Kynar 500® or Hylar 5000®) Fluropon® by Sherwin-Williams® PVDF 3 Coat (Kynar 500® or Hylar 5000®)
Rib Heights:	11/2" Tall Standing Seam Rib		WeatherXL <sup>™</sup> SMP by Sherwin-Williams <sup>®</sup> (Silicone Modified Polyester) Super Dynapon by Sherwin-Williams <sup>®</sup> (ceramic pigment polyester coating)
Fastening System:	Concealed Fastening System using Fixed or Expansion Clips (Seamer Required)		AZ55 Galvalume® with Acrylic Coating
		Substrate:	G90 Galvanized Grade D (yield strength of 50,000 psi)
Length(s):	Maximum Length of 150' + Minimum Length of 3'0"		(optional) AZ50, AZ55 Galvalume®, G100 Galvanized (optional) Embossing Available
	1/2:12 Pitch or greater with thermally applied butyl sealant &	Fielding Conditions:	
	recommended self-adhered underlayment covering entire		rejection. Visit www.briggssteel.com/oilcanning for more information.
	substrate 3:12 Pitch or greater (optional: recommended thermally	Accessories:	Trim, Custom Trim, Fasteners, Sealant, Closures, Venting, Pipe Flashings,
	applied butyl sealant)		Underlayment, Snow Retention, Polycarbonate Panels, Many Tools.
Substrate Install:	Solid	¦ More Details:	For more information about this profile, please visit www.BriggsSteel.com
Ribbing Options:	Smooth, Striations, Box Ribs, Pencil Ribs		

Curving: Curving Panels Available on-site or in facility. Curved Trim also Available.

#### Protective Film Available Upon Request

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.

\*Based on 29ga Grade E Steel (yield strength of 80,000 psi) For more testing information please visit www.briggssteel.com/resources/testing

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

			55				install this Directi	011	
Live Load (PSF)	30"	36"	42"	48"	54"	60"	Q		Q
2 or More Spans	152	105	78	61	47	38			
	180	124	90	70	56	45	·		
	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 E1640 Water Penetration			Typical Fastener Spacing - 24" on center max for 7%" to 11%" panel widths		Sure Lock ML150™ Clips			
				- 24" on center max for 12" to 15%" panel widths - 18" on center max for 16" to 19%" panel widths "The above diagrams are the typical fastener pattern. However pattern &spacing may not be appropriate for all applications. Consult local building order and/or molessing and/or molessing					
								1°	



Thermally Applied Butyl Sealan (Recommended Option)

Seam Sealant

- Prevailing Wind

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

Install This Direction