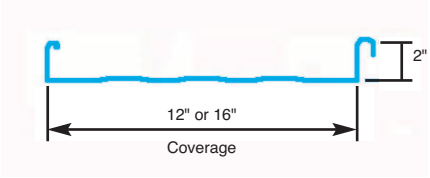
SuperLok®/Side Lap mechanically seamed

	FEATURE	BENEFIT
1	For installation over purlins or bar joists	Maximizes flexibility
2	Factory notched for end laps	May be installed in both directions or simultaneously
3	Clip allows 2" panel movement	Provides for expansion and contraction
4	Sealant is factory applied	Reduces labor, enhances system life
5	Optional limited weathertightness warranty is available.	Customer assurance of quality and long life
6	UL 90 qualified for wind uplift ratings under four types of construction, including open framing, composite and solid deck methods	May qualify for reduced insurance rates
7	Metal closures	Longer life
8	Machine seamed	Meets stringent code requirements such as Factory Mutual.
9	Factory Mutual approved	This panel is Factory Mutual approved to satisfy stringent code requirements and is ICBO approved.
10	Concealed fastener	These clips hold the panels firmly in place without unsightly exposed fasteners. Each clip system offers the ability to accommodate thermal movement.
11	Signature® 200 series	Highly durable silicone polyester paint system with excellent color and gloss retention in addition to superior chalk resistance
12	Signature® 300 option	Fluoropolymer paint system offering the ultimate in color retention and superior resistance to chalking, chemical and UV degradation



PRODUCT DESCRIPTION

Description:
The SuperLok® standing seam roof system blends the aesthetics of an architectural panel with the strength of a structural panel. This panel has earned uplift ratings that are the highest in the industry. The panel is Factory Mutual approved to satisfy stringent code requirements and is ICBO approved.

Gauge:
24 (Standard)

Lengths:
Recommended 55'-0" maximum

Dimensions:
12" or 16" coverage and 2" high

Fasteners:
A choice of concealed fastening clips is available for this panel system including UL rating clips. Concealed fastening system.

Finish:
Galvalume Plus® and Signature®

Usage:
SuperLok® is a field seamed panel that combines a slim rib with exceptional uplift resistance. This system was designed to be installed over open framing, 5/8" plywood, or a composite roof assembly may be used as alternate substructures.

Limitations:
Recommended for roof slopes of 1/2:12 or greater. Oil canning is not a reason for rejection.

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SuperLok®/Side Lap mechanically seamed

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 GAUGE (FY = 50 KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.5	3.0	3.5	4.0	4.5	5.0	5.5
SINGLE	LIVE	162.0	135.0	115.7	97.1	76.7	62.1	51.4
2-SPAN	LIVE	162.0	119.2	87.6	67.1	53.0	42.9	35.5
3-SPAN	LIVE	162.0	135.0	109.5	83.8	66.2	53.7	44.3
4-SPAN	LIVE	162.0	135.0	102.2	78.3	61.8	50.1	41.4

22 GAUGE (FY = 50 KSI)

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.5	3.0	3.5	4.0	4.5	5.0	5.5
SINGLE	LIVE	233.4	194.5	166.7	132.4	104.6	84.7	70.0
2-SPAN	LIVE	233.4	172.8	126.9	97.2	76.8	62.2	51.4
3-SPAN	LIVE	233.4	194.5	158.7	121.5	96.0	77.7	64.3
4-SPAN	LIVE	233.4	194.5	148.1	113.4	89.6	72.6	60.0

NOTES:

1 Allowable loads are based on uniform span lengths and Fy = 50 ksi.

2 LIVE LOAD is limited by bending, shear, combined shear and bending.

3 Above loads consider a maximum deflection ratio of L/180.

4 The weight of the panel has not been deducted from the allowable loads.

5 THE ABOVE LOADS ARE NOT FOR USE WHEN DESIGNING PANELS TO RESIST WIND UPLIFT.

6 Please contact manufacturer or manufacturer's website for most current allowable wind uplift loads.

7 The use of any field seaming machine other than that provided by the manufacturer may damage the panels, void all warranties and will void all data.

SECTION PROPERTIES

			NEGATIVE BENDING			POSITIVE BENDING		
PANEL GAUGE	**Fy** (ksi)	**WEIGHT** (psf)	**Ixe** (in.⁴/ft.)	**Sxe** (in.³/ft.)	**Maxo** (kip-in.)	**Ixe** (in.⁴/ft.)	**Sxe** (in.³/ft.)	**Maxo** (kip-in.)
24	50	1.38	0.0574	0.0538	1.6096	0.1324	0.0779	2.3301
22	50	1.72	0.0801	0.0779	2.3324	0.1787	0.1061	3.1772

NOTES:

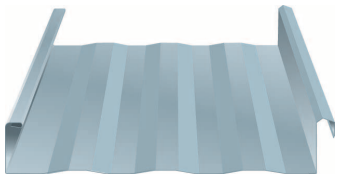
1 All calculations for the properties of **SuperLok®** panels are calculated in accordance with the 2001 edition of the *North American Specification For Design of Cold-Formed Steel Structural Members*.

2 **Ixe** is for deflection determination.

3 **Sxe** is for bending.

4 **Maxo** is allowable bending moment.

5 All values are for one foot of panel width.



The data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification For Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This specification contains the design criteria for cold-formed steel components. Along with the specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

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