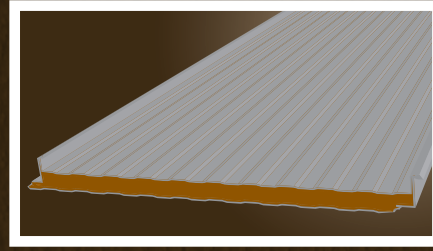


# IBL

## Insulated Standing Seam Roof System



### Description

The exterior profile of the IBL roof panel has a 2"-high standing seam with the Mesa profile. The interior profile is also a Mesa pattern. The IBL panel is attached to structures with concealed clips to ensure maximum R-values.

### Gauge

Exterior: 24 (standard) and 22 gauge  
Interior: 26 (standard), 24 and 22 gauge

### Accessories

Fasteners, sealants, brake-formed flashings, standard and custom trim

### Length

Recommended maximum is 50'

### Joint Configuration

Concealed clips

### Widths

42" (standard), 36" and 30"

### Insulation Material

Non-CFC foamed-in-place polyisocyanurate foam 2.2 to 2.5 pcf density

### Surfaces

Exterior: Stucco-embossed  
Interior: Stucco-embossed

### Thicknesses

2" 2½" 3" 4" 5" 6"

### Coatings

Signature® 200 Colors  
Signature® 300 Colors

### R-value

Up to 7.69 per inch of insulation

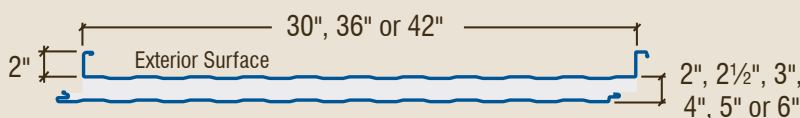
### Panel Weights In Pounds Per Square Foot For 36" and 42" Wide Panels

PANEL	THICKNESS	GAUGE (FASCIA/LINER)					
		24/26	22/26	24/24	22/24	24/22	22/22
36"	2	2.36	3.18	2.59	2.87	2.87	3.15
	2 ½	2.47	3.29	2.70	2.98	2.98	3.26
	3	2.58	3.40	2.81	3.09	3.09	3.37
	4	3.80	3.62	3.03	3.31	3.31	3.59
	5	4.02	3.84	3.25	3.53	3.53	3.81
	6	4.24	4.06	3.47	3.75	3.75	4.03
42"	2	2.32	2.60	2.55	2.83	2.82	3.10
	2 ½	2.43	2.71	2.66	2.94	2.93	3.21
	3	2.54	2.82	2.77	3.05	3.04	3.32
	4	2.72	3.04	2.99	3.27	3.26	3.54
	5	2.94	3.26	3.21	3.49	3.48	3.76
	6	3.16	3.48	3.43	3.71	3.70	3.98

Note: For 30" panel weights please contact Star.

### Attributes and Advantages

1. The IBL Panel utilizes concealed clips and eliminates thermal short circuits.
2. The standard exterior surface is Galvalume Plus® coated steel with Signature® 200 (silicone polyester) coating or Signature® 300 (Kynar 500®/Hylar 5000®) coating.
3. IMPs allow for fast assembly times and easy installation, resulting in reduced construction labor costs and earlier business starts.





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### Panel Section Properties Per Foot Of Width

FASCIA/LINER GAUGE	PANEL THICKNESS	MOMENT OF INERTIA (in 4/ft)	FASCIA SECTION MODULUS (in 3/ft)	LINER SECTION MODULUS (in 3/ft)	CORE AREA (in 2/ft)
24/26	2	0.470	0.523	0.427	23.52
	2 ½	0.737	0.657	0.535	29.52
	3	1.065	0.791	0.644	35.52
	4	1.899	1.058	0.861	47.52
	5	2.973	1.326	1.078	59.52
	6	4.287	1.594	1.295	71.52

- The above values are included for informational purposes. The use of these values is only applicable for a composite section analysis that includes effects from shear deformation of the foam as well as non-composite fascia effects.

### IBL Roof Panel Allowable Load Chart (Allowable Loads in PSF)

PANEL DEPTH	SUPPORT CONDITION	LOAD TYPE	SUPPORT SPACING										
			3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'
2"	1-Span	Live/Press <sup>1</sup>	186.09	123.85	86.56	62.48	46.24	34.95	26.91	21.07	16.75	13.50	11.01
	2-Span	Live/Press <sup>1</sup>	180.79	131.35	99.84	76.80	60.58	48.66	39.62	32.63	27.13	22.75	19.22
	3-Span and greater	Live/Press <sup>1</sup>	176.63	129.57	100.23	76.21	59.24	46.83	37.52	30.42	24.92	20.62	17.21
2 ½"	1-Span	Live/Press <sup>1</sup>	217.01	148.73	107.12	79.57	60.44	46.75	36.72	29.25	23.59	19.25	15.87
	2-Span	Live/Press <sup>1</sup>	219.33	156.87	117.88	92.06	73.77	60.22	49.84	41.70	35.20	29.94	25.64
	3-Span and greater	Live/Press <sup>1</sup>	213.70	156.38	119.02	92.37	73.31	59.13	48.30	39.86	33.20	27.87	23.57
3"	1-Span	Live/Press <sup>1</sup>	263.36	197.52	158.01	131.68	104.40	83.10	67.00	54.63	44.99	37.39	20.73
	2-Span	Live/Press <sup>1</sup>	238.12	170.18	129.29	102.11	82.81	68.44	57.37	48.62	41.56	35.79	31.02
	3-Span and greater	Live/Press <sup>1</sup>	239.62	171.90	130.76	103.05	83.11	68.15	56.57	47.42	40.08	34.12	29.23
4"	1-Span	Live/Press <sup>1</sup>	230.23	166.21	126.87	100.12	80.75	66.15	54.84	45.90	38.73	32.91	28.14
	2-Span	Live/Press <sup>1</sup>	231.22	168.20	130.04	104.49	86.24	72.59	62.01	53.58	46.73	41.06	36.30
	3-Span and greater	Live/Press <sup>1</sup>	231.87	169.18	131.19	105.63	87.22	73.30	62.42	53.69	46.54	40.62	35.64
5"	1-Span	Live/Press <sup>1</sup>	169.83	125.08	97.80	79.31	65.89	55.68	47.64	41.16	35.83	31.38	27.63
	2-Span	Live/Press <sup>1</sup>	170.00	125.45	98.46	80.31	67.28	57.46	49.82	43.71	38.71	34.56	31.05
	3-Span and greater	Live/Press <sup>1</sup>	170.14	125.71	98.84	80.80	67.82	58.03	50.37	44.21	39.14	34.89	31.29
6"	1-Span	Live/Press <sup>1</sup>	52.18	38.98	31.03	25.70	21.88	18.99	16.72	14.90	13.40	12.13	11.06
	2-Span	Live/Press <sup>1</sup>	52.18	38.99	31.04	25.72	21.90	19.03	16.78	14.97	13.49	12.25	11.19
	3-Span and greater	Live/Press <sup>1</sup>	52.19	39.00	31.05	25.74	21.93	19.06	16.82	15.02	13.54	12.31	11.26

- Live/Press: Allowable loads applicable to downloads such as roof live, snow and positive wind pressure.
- Allowable values are based on a 42" wide panel with a 24 ga. fascia and a 26 ga. liner with 3- ¼"-14 SDS and 1- HW-2324A clip at each supporting structural member.
- Allowable values have been derived from tests conducted in accordance with the ASTM E72 and ASTM E1592 test specifications.
- Allowable face buckling, shear, seam disengagement and panel disengagement loads have been calculated using a 1.875 safety factor derived from test data scatter.
- Allowable values include a deflection check using a limit of Spacing/240 for Live/Press loading, and Spacing/240 based on 10-year wind pressures for Wind Suction loading.
- Pullout of the self-drilling screws from the supporting structural member **must be checked separately**.
- Allowable loads are given for equally-spaced supports.
- Fab-Lok<sup>®</sup>, where required, are to be installed in the following pattern:
  - 36" wide panel: Install through support structure into ribs of liner in contact with support member at 1" from edge without HW-2324 clip.
  - 42" wide panel: Install through support structure into ribs of liner in contact with support member at 1" from edge without HW-2324 clip.
- This information is subject to change without notice. Please contact Star for most current information.

The engineering 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 the 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.

**EFFECTIVE JUNE 1, 2011 | SUBJECT TO CHANGE WITHOUT NOTICE**

**Galvalume Plus<sup>®</sup>** is a registered trademark of BIEC International, Inc.

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