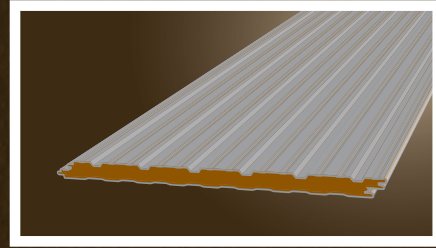


# EWP II

## Insulated Wall Panel



### Description

The traditional styling and distinct vertical lines of the EWP II is ideal for custom designed or conventional building construction, especially commercial and industrial applications. The interior skin employs a Mesa profile.

### Gauge

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

### Length

Recommended maximum is 40'

### Widths

36" (standard)

### Surfaces

Exterior: Stucco-embossed  
Interior: Stucco-embossed

### Coatings

Signature® 200 Colors  
Signature® 300 Colors

### Accessories

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

### Joint Configuration

Concealed clips

### Insulation Material

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

### Thicknesses

2" 2½" 3" 4" 5" 6"

### R-value

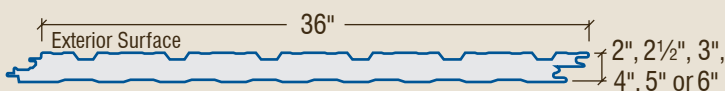
Up to 7.69 per inch of insulation

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

PANEL WIDTH	THICKNESS	GAUGE (FASCIA/LINER)								
		26/26	24/26	22/26	26/24	24/24	22/24	26/22	24/22	22/22
36"	2	2.16	2.38	2.67	2.38	2.60	2.89	2.65	2.87	3.16
	2 ½	2.27	2.49	2.78	2.49	2.71	3.00	2.76	2.98	3.27
	3	2.38	2.60	2.89	2.60	2.82	3.11	2.87	3.09	3.38
	4	2.60	2.82	3.11	2.82	3.02	3.33	3.09	3.21	3.60
	5	2.82	3.04	3.33	3.04	3.24	3.55	3.31	3.43	3.82
	6	3.04	3.26	3.55	3.26	3.46	3.77	3.53	3.65	4.04

### Attributes and Advantages

1. The EWP II 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.



# EWP II

## Insulated Wall Panel



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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)
26/26	2	0.394	0.384	0.280	22.19
	2 ½	0.632	0.498	0.379	28.19
	3	0.925	0.613	0.480	34.19
	4	1.681	0.844	0.687	46.19

- 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.

### EWP II Wall 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	Pressure	208.99	139.97	98.43	71.46	53.16	40.36	31.20	24.51	19.54	15.78	12.90
	2-Span	Pressure	192.91	140.17	109.48	86.73	68.64	55.32	45.20	37.34	31.14	26.19	22.18
	3-Span and greater	Pressure	188.33	138.08	108.93	86.28	67.36	53.47	43.01	34.99	28.76	23.86	19.96
2 ½"	1-Span	Pressure	249.85	179.48	129.34	96.12	73.05	56.53	44.42	35.40	28.56	23.31	19.22
	2-Span	Pressure	232.16	168.90	131.82	107.77	89.05	72.71	60.20	50.38	42.54	36.19	31.00
	3-Span and greater	Pressure	226.20	165.52	130.30	107.43	88.51	71.42	58.36	48.18	40.14	33.71	28.52
3"	1-Span	Pressure	281.36	211.02	157.69	119.36	92.30	72.57	57.86	46.70	38.10	31.40	26.12
	2-Span	Pressure	264.47	192.76	150.46	122.90	103.70	88.84	74.28	62.78	53.54	45.99	39.75
	3-Span and greater	Pressure	257.57	188.28	147.97	121.81	103.53	88.23	73.00	60.99	51.39	43.62	37.26
4"	1-Span	Pressure	321.33	240.99	192.80	158.55	125.91	101.57	82.94	68.43	56.96	47.80	40.41
	2-Span	Pressure	307.23	224.93	175.89	143.66	121.05	104.43	91.76	81.79	72.80	63.44	55.62
	3-Span and greater	Pressure	299.75	219.09	171.84	141.13	119.67	103.88	91.78	82.22	71.62	61.84	53.70

- Allowable values are based on a 36" wide panel with a 26 ga. fascia and a 26 ga. liner with 2- ¼"-14 SDS and 1- HW-2320 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 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 based on 10-year wind pressures.
- 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®, 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 6" from each panel side with one at mid panel width.
- 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.

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