



Product Evaluation

EC103|0917

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: EC-103

Effective Date: September 1, 2017

Re-evaluation Date: September 2021

Product Name: Green Span Profiles, Insulated Metal Wall Panels

Manufacturer: Green Span Profiles
21200 FM 362'
P.O. Box 730
Waller, Texas 77484
(844) 807-7400

General Description:

Insulated metal wall panels consisting of roll-formed interior and exterior profiles chemically bonded to a continuously, foamed-in-place, polyisocyanurate, insulating core. The exterior profile is called the facer and comes in a minimum of 26 gauge steel, the interior profile is called the liner and comes in a minimum of 26 gauge steel. IMP's come in a width of 42" and a thickness of 2", 2.5", 3", 4", 5", and 6". Each panel features an interlocking double tongue-in-groove joint, which allows for panels to be engaged side by side as well as for placement of a concealed clip and fastener. The panels are offered in five styles or types: Impression, Mesaline, Shadowline, Veeline, and Waveline.

Limitations:

Wall Framing: The insulated metal wall panels must be installed over open steel girts.

New Wall Framing Attachment: The wall framing must meet or exceed the wind pressure requirements of the IRC or IBC and must be installed as required for resistance to wind loads.

Design Wind Pressures: The design pressure load resistance must be as specified in Table 1 or Table 2.

Table 1: Positive Design Loads**Attachment of minimum 26-gauge steel Insulated wall panels to steel girts**

System	Design Wind Pressure (psf)	Girts (Minimum 14 gauge)	Attachment of Panel to Steel Girts
1	+101.35	5'-0" on center	Two fasteners per clip
2	+97.19	5'-3" on center	Two fasteners per clip
3	+93.03	5'-6" on center	Two fasteners per clip
4	+88.87	5'-9" on center	Two fasteners per clip
5	+84.71	6'-0" on center	Two fasteners per clip
6	+80.55	6'-3" on center	Two fasteners per clip
7	+76.39	6'-6" on center	Two fasteners per clip
8	+72.33	6'-9" on center	Two fasteners per clip
9	+68.07	7'-0" on center	Two fasteners per clip
10	+63.91	7'-3" on center	Two fasteners per clip
11	+59.75	7'-6" on center	Two fasteners per clip

Table 2: Negative Design Loads**Attachment of minimum 26-gauge steel Insulated wall panels to steel girts**

System	Design Wind Pressure (psf)	Girts (Minimum 14 gauge)	Attachment of Panel to Steel Girts
1	-44.22	5'-0" on center	Two fasteners per clip
2	-42.92	5'-3" on center	Two fasteners per clip
3	-41.62	5'-6" on center	Two fasteners per clip
4	-40.32	5'-9" on center	Two fasteners per clip
5	-39.02	6'-0" on center	Two fasteners per clip
6	-37.72	6'-3" on center	Two fasteners per clip
7	-36.42	6'-6" on center	Two fasteners per clip
8	-35.12	6'-9" on center	Two fasteners per clip
9	-33.82	7'-0" on center	Two fasteners per clip
10	-32.52	7'-3" on center	Two fasteners per clip
11	-31.22	7'-6" on center	Two fasteners per clip

Installation:

General: The insulated metal wall panels must be installed in accordance with the manufacturer's recommended installation instructions and this evaluation report.

Steel Girts: The minimum thickness of the steel and the maximum on center spacing of girts must be as specified in Table 1 and Table 2.

Attachment of Insulated Metal Wall Panels to the Steel Girts: 14-gauge galvanized steel clips that are 4 inches long and have 5 pre-punched holes are to be used. Secure each clip to the steel girts with two or three #1/4-14 self-driller screws (length: according to panel thickness), manufactured by SFS. Fasteners must be long enough to ensure a minimum penetration of 3 pitches of thread below the girts. A clip is required at each girt location.

Trims, Closures, and Accessories: Components, such as trims, closures, and accessories must be installed as required by the manufacturer.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.