

## Product Evaluation

EC103 | 1021

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:** October 1, 2021

**Re-evaluation Date:** October 2025

**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 (IMP) 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 minimum of 26-gauge steel. The interior profile is called the liner and comes in 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.

**Wall Bracing:** The insulated metal wall panels must not be used as wall bracing or shearwalls to resist lateral loads.

**Design Wind Pressures:** The design pressure load resistance must be as specified in Table 1 and 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	Three fasteners per clip
2	+97.19	5'-3" on center	Three fasteners per clip
3	+93.03	5'-6" on center	Three fasteners per clip
4	+88.87	5'-9" on center	Three fasteners per clip
5	+84.71	6'-0" on center	Three fasteners per clip
6	+80.55	6'-3" on center	Three fasteners per clip
7	+76.39	6'-6" on center	Three fasteners per clip
8	+72.33	6'-9" on center	Three fasteners per clip
9	+68.07	7'-0" on center	Three fasteners per clip
10	+63.91	7'-3" on center	Three fasteners per clip
11	+59.75	7'-6" on center	Three 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	Three fasteners per clip
2	-42.92	5'-3" on center	Three fasteners per clip
3	-41.62	5'-6" on center	Three fasteners per clip
4	-40.32	5'-9" on center	Three fasteners per clip
5	-39.02	6'-0" on center	Three fasteners per clip
6	-37.72	6'-3" on center	Three fasteners per clip
7	-36.42	6'-6" on center	Three fasteners per clip
8	-35.12	6'-9" on center	Three fasteners per clip
9	-33.82	7'-0" on center	Three fasteners per clip
10	-32.52	7'-3" on center	Three fasteners per clip
11	-31.22	7'-6" on center	Three 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 the 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 (4" long, 1.438" wide) with five (5) pre-punched holes are placed between the joints of the panels and are secured to the steel girts with three (3) No. 1/4-14 HWH 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 the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.