



ENGINEERING TECHNICAL BULLETIN

FM 4881 APPROVED

PRODUCT:

IWP Series – Insulated Metal Wall Panel
Profiles: Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine and ShadowLine
Thickness: 2, 2.5, 3, 4, 5, 6 in. (51, 64, 76, 102, 127 and 152 mm)
Core Material: PIR
Width: 24, 30, 36 and 42 in. (610, 762, 914 and 1067 mm)
Gauge: min. 26-ga. (0.017 in, 0.43 mm) or heavier (interior and exterior facings)
Finish: embossed or smooth

TEST PROTOCOL:

Approval Standard for Class 1 Exterior Wall Systems. Class Number 4881, November 2007

TEST LOCATION:

FM Approvals, 743 Reynolds Road, West Glocester, RI 02814

REPORT NUMBER:

3049113

LISTING:

PRODUCT	WIDTH	PANEL THICKNESS	SECUREMENT	HAIL RESISTANCE RATING	WIND LOAD RATING & ZONE	MAX SUPPORT STEEL SPACING	MIN SUPPORT STEEL THICKNESS	MIN SUPPORT STEEL YIELD STRESS
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +95/-133 Zone TC	36 in. (914 mm), 3'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +70/-98 Zone TC	48 in. (1219 mm), 4'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +55/-77 Zone TC	60 in. (1524 mm), 5'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +45/-63 Zone TC	72 in. (1829 mm), 6'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +40/-56 Zone TC	84 in. (2134 mm), 7'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +35/-49 Zone TC	96 in. (2438 mm), 8'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)
Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine, ShadowLine)	42 in. (1067mm)	2.0 - 6.0 in. (51 - 152 mm)	Fastening System B	Very Severe Hail (VSH)	Class +30/-42 Zone NTC	108 in. (2743 mm), 9'-0"	14 ga., 0.071 in. (1.80 mm)	34 ksi (234 Mpa)

Table Notes: Panels rated for Zone TC (Tropical Cyclone) may be used in Zones TC and NTC (Non-Tropical Cyclone). See Below for installation details for specific exterior wall panels.

Green Span Profiles® Insulated Metal Panels (Infinity, Stucco, Impression, MesaLine, VeeLine, WaveLine and ShadowLine) minimum 0.017 (0.43) mm thick prefinished (optional) Galvalume® steel facers installed vertically or horizontally over steel structural members as indicated in the table above. Fastening System B - Panels are secured to structural framing using a “hidden” 4 in. (100 mm) long by 14 ga. [0.071 in. (1.80 mm)] thick steel clip and two (2) ¼ - 14 x 2 SDS 3/8 in. (9.5 mm) hex head #3 drill point self drilling fasteners within each panel side lap in each panel side joint to each supporting member; in addition, three (3) Fab-Lok fasteners (10-4, 10-8 or 10-12 suitable for the thickness of the structural member) per bearing through the structural member into the interior panel facer spaced 10.5 +/-1.5 in (267 +/-38 mm) from the center of each clip and 10.5 +/-1.5 in. (267 +/-38 mm) between Fab-Loks through holes predrilled with a 5/16 in. (7.9 mm) dia. drill bit.

GREEN - This product contains no CFC or HCFC.

GREEN - This product contains no urea-formaldehyde.

Company Name:	Green Span Profiles®
Company Address:	21200 FM 362, Waller, TX, 77484, USA
Company Website:	www.greenspanprofiles.com
Green Product:	Yes
Application:	Walls and Ceilings
Class 1 Type/Rating:	Inert-Faced with Combustible Core
Height Restriction:	No Height Restriction
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	4881-Exterior Wall Systems