

Product Evaluation

EC115 | 0121

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-115

Effective Date: January 1, 2021

Re-evaluation Date: January 2025

Product Name: Insulated Sandwich Wall Panel System

Manufacturer: Pan Urania SPA
Via Campania 8/H, 53036
Poggibonsi (Siena), Italy
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USA Urania Group
2640 West 79th Street
Hialeah, FL 33016
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General Description:

The insulated wall panels consisting of roll-formed interior and exterior profiles adhered to a polyurethane insulating core. The exterior and interior profiles are comprised of 26-gauge (0.508 mm) steel. The panels are available in widths of 33", 38", and 44" and a thickness of 4". The panels have a maximum length of 100". Each panel features an interlocking double tongue-in-groove joint, which allows for panels to be connected side by side. The panels are offered in eight (8) different configurations which include panels with and without openings. The wall panels are used for exterior cladding. The wall panels are considered non-load bearing.

Limitations:

Allowable Dimensions: The maximum dimensions for an individual panel is 100" by 44". Multiple panels may be connected using the interlocking profiles with the male/female joints as long as the maximum distance between structural supports does not exceed 100".

Structural Framing: The panels are held in place with steel channels that must be designed to support the dead loads and wind loads imposed by this wall panel system and to transfer such loads to the building main structure. The steel channels must be secured to the structure as required to resist wind loads.

Dissimilar Materials: Materials including but not limited to steel/metal screws that come into contact with other dissimilar materials must meet the requirements of the IBC.

Design Pressure: +50 psf; -50.0 psf

Wall Bracing: The wall panel system may not be used for lateral resistance. Wall bracing must be installed by others as required for the structure.

Installation:**General Installation Requirements:**

The wall panel system must be installed in accordance with the manufacturer's published installation instructions and this product evaluation report. Where differences occur between the installation instructions and this evaluation report, this evaluation report must be followed. Use corrosion resistant fasteners as specified in the IRC and the IBC.

Installation:

The wall panels must be installed as specified in the referenced design drawing and this evaluation report.

Design Drawings: Install in accordance with "Pan Urania SPA Wall Panel System Exterior Non-Load Bearing Impact Rated;" Drawing No. WP-1; Sheets 1 through 3 of 3; dated March 22, 2020; with each sheet signed and sealed by John E. Skwiot, P.E. on November 22, 2020. The stated drawings are referred to as approved drawings in this evaluation report. A copy of the approved drawings must be available at the job site.

Installation: The wall panels are not mechanically fastened to the structure. The wall panel system is held in place along the perimeter of the wall panel system using minimum 16-gauge, A36 steel channels. The steel channels are 5" wide and 1.7" deep. The steel channels are anchored to the structure to resist the required wind loads. An engineer must design the attachment of the steel channels to the structure.

Individual panels are connected using interlocking profiles with male/female joints. Refer to the approved drawings for details of the interlocking features of the panels.

Sealant: All frame corners, joints, mullion seams, and perimeter glazing bead to be sealed with silicon sealant.

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.