



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

**Kingspan Light & Air Fenestration Inc.
UniQuad™ Unitized System
Polycarbonate Panel System
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL17695

Report No. 8593

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Panel Walls
Sub – Category:	Products Introduced as a Result of New Technology
Product:	UniQuad™ Unitized System Polycarbonate Panel System (HVHZ) (Impact)
Product Dimensions:	See Installation Instructions, KLA007

Prepared for:

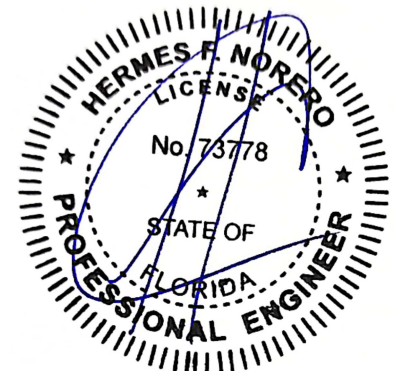
**Kingspan Light & Air Fenestration Inc.
28662 North Ballard Drive
Lake Forest, IL 60045**

Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 06/13/2023

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Hermes F. Norero, P.E.
Florida No. 73778

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Manufacturer: Kingspan Light & Air Fenestration Inc.

Product Category: Panel Walls

Product Sub-Category: Products Introduced as a Result of New Technology

Compliance Method: State Product Approval Method (1)(d)

Product Name: UniQuad™ Unitized System
Polycarbonate Panel System
(HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Kingspan Light & Air Fenestration Inc.** based on Method 1d of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **KLA007**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, **including** the “High Velocity Hurricane Zone” (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does not require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **KLA007** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **KLA007** for size and design pressure limitations.

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Quality Assurance: The manufacturer has demonstrated compliance of manufacture of products in accordance with the current Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Intertek Testing Services NA, Inc.** (FBC Organization # QUA1673)

Performance Standards: The product described herein has been evaluated per:

- AAMA 501-15
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **UL LLC** (FBC Organization # TST9628)
Report: SV31431-20201112 Dated: 11/19/20
SV31431-20210527-R2 09/03/21
SV31431-20210607-R2 09/03/21
Signed & Sealed by Alexis Spyrou, FL PE No. 68101
2. Quality Assurance
Intertek Testing Services NA, Inc.
(FBC Organization #: QUA1673)

Installation:

Refer to Installation Instructions (**KLA007**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**KLA007**) for design pressures based on size, configuration, and glass types.