



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

Product Evaluation Report

of

**Ultratek Worldwide
Cleartek Storm Panel System
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL17733

Report No. 8629

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Impact Protective Systems
Sub – Category:	Removable
Product:	Cleartek Storm Panel System
Materials:	Polycarbonate
Product Dimensions:	See Installation Instructions, UTW001

Prepared for:

**Ultratek Worldwide
3801 N. Washington Blvd.,
Sarasota, FL 34234**

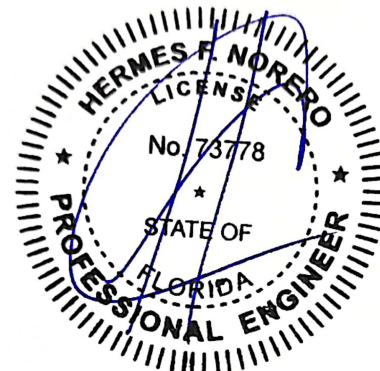
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 06/23/2023

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Digitally signed by Hermes F. Norero, P.E.
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Hermes F. Norero, P.E.
Florida P.E. No. 73778

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

Manufacturer: Ultratek Worldwide

Product Category: Impact Protective Systems

Product Sub-Category: Removable

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

Product Name: Cleartek Storm Panel System
(HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Ultratek Worldwide** based on Method 1d of the State of Florida Product Approval, Florida Department of Business & 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 **UTW001**, 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 FBC and **does not** require an impact resistant covering.
4. Site conditions that deviate from the details of Installation Instructions **UTW001** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **UTW001** for size and design pressure limitations.

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Quality Assurance: The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Keystone Certifications, Inc.** (FBC Organization #: QUA1824).

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

- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E330-14
- ASTM E1886-13
- ASTM E1996-14

Referenced Data:

- Product Testing performed by **Hurricane Engineering & Testing, Inc.** (FBC Organization # TST1691)

Report: HETI-07-4198,	Report Date: 04/30/07
Report: HETI-07-4199,	Report Date: 04/30/07
Report: HETI-07-4202,	Report Date: 04/30/07
Report: HETI-07-4204,	Report Date: 04/30/07
Report: HETI-07-4205,	Report Date: 04/30/07
Report: HETI-07-4232,	Report Date: 04/30/07
Report: HETI-07-4233,	Report Date: 04/30/07
Report: HETI-07-4254,	Report Date: 04/30/07
Report: HETI-07-4285,	Report Date: 07/27/07
Report: HETI-07-4286,	Report Date: 07/27/07
Report: HETI-07-T750,	Report Date: 09/07/07
Report: HETI-08-2048,	Report Date: 10/10/08
Report: HETI-08-2049,	Report Date: 10/10/08
Report: HETI-08-2050,	Report Date: 10/10/08
Report: HETI-08-2052,	Report Date: 10/10/08
Report: HETI-09-2507A,	Report Date: 01/28/09
Report: HETI-09-2507B,	Report Date: 01/28/09
Report: HETI-09-2508A,	Report Date: 01/28/09
Report: HETI-09-2508B,	Report Date: 01/28/09
Report: HETI-09-T104,	Report Date: 01/28/09

TAS reports signed and sealed by Mr. Candido F. Font, P.E. No. FL31253

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2. Product Testing performed by **Blackwater Testing, Inc.** (FBC Organization # TST10394)
Report: BT-ULTK-13-001A Report Date: 09/23/13
Report: BT-ULTK-13-001B Report Date: 09/23/13
Report: BT-ULT-15-001 Report Date: 05/04/15
TAS reports signed and sealed by Mr. Yamil Kuri, P.E. No. FL44726
2. Product Testing performed by **Architectural Testing, Inc (an Intertek company)** – West Palm Beach, FL (FBC Organization # TST10394)
Report: B9069.01-401-18 Report Date: 02/08/13
Report: A2512.01-401-36 Report Date: 07/16/10
Report: A3398.01-401-44 Report Date: 09/08/10
4. Quality Assurance
Keystone Certifications, Inc.
(FBC Organization #: QUA1824)

Installation:

Refer to Installation Instructions (**UTW001**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**UTW001**) for design pressures and product sizes.

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. **Ultratek Worldwide** has tested their products to the following test standard edition(s):

- 1) ASTM E330-02
- 2) ASTM E1886-06
- 3) ASTM E1996-06

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM E330-14
- 2) ASTM E1886-13
- 3) ASTM E1996-14

After review of the above mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent.