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

Product Evaluation Report

of

Punto Gold USA, LLC
Vittoria Series Fixed Windows
(HVHZ) (Impact)

for

Florida Product Approval

FL# FL42465

Report No. 8754

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Windows**
Sub – Category:	**Fixed**
Product:	**Vittoria Series Fixed Windows**
Materials:	**Aluminum 6060-T5**
Product Dimensions:	**See Installation Instructions, PGU006**

Prepared for:
Punto Gold USA, LLC
240 South Andrews Avenue, Suite 3
Pompano Beach, FL 33069

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 08/18/2023

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HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.10 17:49:50 +02'00'

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

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

Manufacturer: **Punto Gold USA, LLC**

Product Category: Windows

Product Sub-Category: Fixed

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

Product Name: **Vittoria Series Fixed Windows (HVHZ) (Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Punto Gold USA, LLC** 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 **PGU006**, 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 **PGU006** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **PGU006** 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 **National Accreditation and Management Institute.**
(FBC Organization # QUA1789)

Performance Standards:

The product described herein has been evaluated per:

- ASTM E283-19
- ASTM E331-00(16)
- ASTM E1886-19
- ASTM E1996-20
- ASTM F588-07
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Blackwater Technical Services Inc.**
   (FBC Organization # TST10394)
   Report #: BT-PUG-20-002, Report Date: 09/05/2023
   Report Signed and Sealed by Michael D. Caldwell, FL PE No. 49979

2. Material Certification
   Miami-Dade County Notice of Acceptance
   Kuraray America, Inc. (Previously DuPont)
   SentryGlas Interlayer

Installation:

Refer to Installation Instructions (**PGU006**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**PGU006**) for design pressures based on size, configuration, and glass types.

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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. **Punto Gold USA, LLC** has tested their products to the following test standard edition(s):

1) ASTM E283-04
2) ASTM E331-00(09)
3) ASTM E1886-13a
4) ASTM E1996-14a

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

1) ASTM E283-19
2) ASTM E331-00(16)
3) ASTM E1886-19
4) ASTM E1996-20

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.

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