



1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

## Product Evaluation Report

*of*

**Drutex S.A.  
MB-86N SI Fixed Window  
(HVHZ)(Impact)**

*for*

**Florida Product Approval**

**FL# FL46727**

**Report No. 9156**

### Current Florida Building Code

**Method:** 1 – D (Engineering Evaluation)  
**Category:** Windows  
**Sub – Category:** Fixed

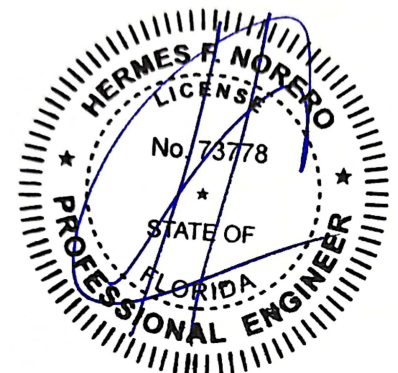
**Product:** MB-86N SI Fixed Window  
**Materials:** Aluminum 6063-T5  
**Product Dimensions:** See Installation Instructions, DRU046

### Prepared for:

**Drutex S.A.  
Leborska 31, 77-100  
Bytow, Poland**

### Prepared by:

**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 5/1/2024



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

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**Manufacturer:** Drutex S.A.  
**Product Category:** Windows  
**Product Sub-Category:** Fixed  
**Compliance Method:** State Product Approval Method (1)(d)  
**Product Name:** MB-86N SI Fixed Window (HVHZ) (Impact)

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Drutex S.A.** 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 **DRU046**, 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 **DRU046** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **DRU046** 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 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 evaluated per:

- AAMA/WDMA/CSA 101/I.S.2/A440-17
- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E1886-19
- ASTM E1996-20

**Referenced Data:**

1. Product Testing Performed by **Blackwater Testing Lab**  
(FBC Organization # TST14034)  
Report: \_\_\_\_\_ Dated: \_\_\_\_\_  
BW-DRU-23-050-001 11/20/2023  
BW-DRU-23-050-002 11/20/2023  
Report Signed & Sealed by Roberto Archila FL P.E. No. 53306
2. Quality Assurance  
**Keystone Certification, Inc.**  
(FBC Organization #QUA1824)
3. Material Certification  
**Miami-Dade County Notice of Acceptance**  
**Kuraray America, Inc.**  
Trosifol PVB Interlayer

**Installation:**

Refer to Installation Instructions (**DRU046**) for anchor types, spacing, and more details of the installation requirements.

**Design Pressure:**

Refer to Installation Instructions (**DRU046**) for design pressure configurations.