



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

Product Evaluation Report

of

**Drutex S.A.
MB-86N SI Tilt & Turn Window
(HVHZ)(Impact)**

for

Florida Product Approval

FL# FL46728

Report No. 9158

Current Florida Building Code

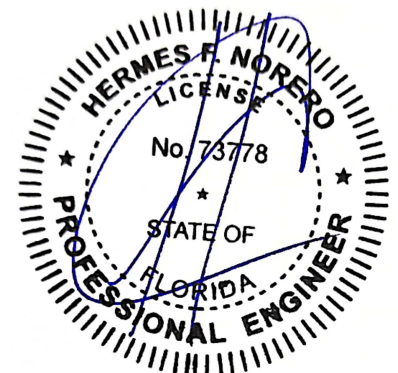
Method:	1 – D (Engineering Evaluation)
Category:	Windows
Sub – Category:	Dual Action
Product:	MB-86N SI Tilt & Turn Window
Materials:	Aluminum 6063-T5
Product Dimensions:	See Installation Instructions, DRU048

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: Dual Action
Compliance Method: State Product Approval Method (1)(d)
Product Name: MB-86N SI Tilt & Turn 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 **DRU048**, 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 **DRU048** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **DRU048** 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-23-051-001 11/20/2023
BW-DRU-23-051-002 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 (**DRU048**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**DRU048**) for design pressure configurations.