

## ENGINEER'S PRODUCT EVALUATION REPORT FLORIDA BUILDING CODE COMPLIANCE (HVHZ)

<b>Product Category</b> <b>Product Name</b> <b>Design Pressure</b> <b>Impact Resistance</b> <b>Product Manufacturer</b>	Windows <b>Series 700 Single Hung Impact Window</b> +60 psf, -60 psf Large Missile Impact Resistant Eurostyle Impact Windows and Doors, LLC. 1036 NE 43 <sup>rd</sup> Ct., Oakland Park, FL 33334	
<b>Report No.</b> <b>Report Date</b> <b>Code Reference</b>	EIWD700SH-Eval 07/12/2016 <b>Florida Building Code, Including HVHZ (Current Edition)</b>	<b>Rev No:</b> Original Issue <b>Rev Date:</b>
<b>Evaluating Engineer</b>	Emma T. Mellinger, P.E. Category 5 Engineering Services, Inc.	

### SCOPE OF EVALUATION AND STATEMENT OF CODE COMPLIANCE

This Product Evaluation Report is issued in accordance with the requirements of Florida Statutes 61G20-3 for Optional Statewide Product Approval. The above-referenced product has been tested and evaluated as described herein, and found to be **in compliance with the current edition of the Florida Building Code, including HVHZ**. The above-referenced product is, for the purpose intended, at least equivalent to that required by the Code.

### PRODUCT DESCRIPTION

Product is a single-hung window made from white PVC with steel reinforcements with thermally welded frame corners, configured as one fixed sash over one operable sash. Units are wet-glazed, and have a 0.875" overall thickness double (i.e. insulating) lite consisting of (from exterior to interior): 0.125" clear annealed glass/0.090" Kuraray interlayer/0.125" clear annealed glass, 0.410" airspace created by an aluminum spacer, and a 0.125" clear tempered glass as shown in the Approval and Installation Drawing "EIWD-700SH-Install."

### SUBSTANTIATING DATA

The following documents substantiate the evaluation contained in this report:

- **Notice of Product Certification** (National Accreditation and Management Institute Certification No. NI13061).
- **Test Reports** (National Certified Testing Laboratories, Inc. Reports No. NCTL 210-3726-4 for tests TAS 201, 202, 203).
- **Anchor Calculations** (technical report "EIWD700SHD-Anchors," prepared, signed and sealed by Emma T. Mellinger, P.E.).
- **Approval and Installation Drawing** (drawing "EIWD-700SH-Install" prepared, signed and sealed by Emma T. Mellinger, P.E.).

- **Glass Load Analysis per ASTM E1300** (technical report “EIWD700SH-Glass,” prepared, signed and sealed by Emma T Mellinger, P.E.).
- **Plastics Certification** (Current Miami-Dade County NOA for Vinyl Extrusions manufactured by Rehau, LLC; current Miami-Dade County NOA for SGP Glazing Laminate manufactured by Kuraray America).

**INSTALLATION**

- Product shall be installed in accordance with the Approval and Installation Drawing “EIWD-700SH-Install” prepared, signed and sealed by Emma T Mellinger, P.E.

**LIMITATIONS AND CONDITIONS OF USE**

Use of the above-referenced product shall be in strict accordance with this Evaluation Report and the Approval and Installation Drawing “EIWD-700SH-Install.” For all other conditions, a site specific design shall be prepared by a Florida-registered Professional Engineer.

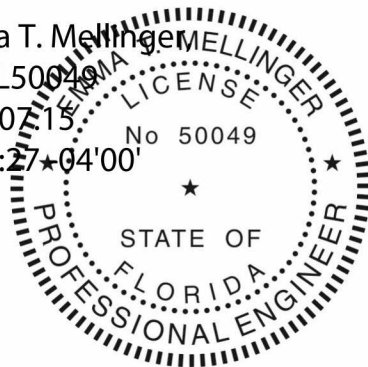
- Product meets requirements for the High Velocity Hurricane Zone (HVHZ).
- Product shall be glazed in accordance with ASTM E1300.
- Maximum Tested Frame Size: 54” x 76”
- Maximum Sash Size: 51” x 37”
- Maximum Glass Size: 47.25” x 34”
- Maximum Design Pressures: +60 psf, -60 psf
- Water Resistance Test Pressure: 9 psf
- Product is rated Large Missile Impact Resistant (HVHZ, Wind Zone 4, Missile Level D).

**ENGINEER’S STATEMENT OF FINANCIAL INDEPENDENCE**

This statement certifies that Emma T. Mellinger, P.E. does not have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Emma T. Mellinger, P.E. does not have nor will acquire a financial interest in any other entity involved in the approval process of the referenced product(s).



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