

Engineering Evaluation Report # AW5540-20250213

Prepared by:

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Certificate of Authorization: #29296

Manufacturer:

PGT Industries, LLC
3400 Precision Dr.
N. Venice, FL 34275

Product Description:

Series AW5540 Impact Resistant Vinyl Awning Window with Diamond Glass, (LMI), FL-29701

Compliance:

The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with the requirements of the current Florida Building Code.

This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).

Supporting Technical Documentation:

1. Approval Document: Drawing number AW5540-DG-LM, signed and sealed by A. Lynn Miller, P.E.
2. Test Report No.: FTL-8183, FTL 19-9037 & 20-2107.1-4, signed and sealed by Idalmis Ortega, P.E.
Fenestration Testing Laboratories, Medley, FL 33166
3. Test Report No.: NOK-0112, NOK-0113, NOK-0115 & NOK-0116, signed and sealed by Idalmis Ortega, P.E.
QAI Laboratories, Nokomis, FL 34275

TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure Test
TAS 203-94 Cyclic Pressure Loading Test

3. Calculations, signed and sealed by A. Lynn Miller, P.E., dated 04/24/15, 3/25/20 & 01/28/25.

4. Miami-Dade RER Product Control Section NOA's; PVB and SG Interlayers by Kuraray America, Inc.

Limitations and Conditions of use:

- Units must be glazed per ASTM E1300-09, refer to approval document for glazing details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame and sash material to be extruded Vinyl.
- Units must be installed in accordance with approval document, AW5540-DG-LM.

