

Evaluation Report PEL-1042A
September 19, 2023

Product Description: Series 590 PVC Sliding Glass Door, LM Impact Wind Zone 3, 4'x7' nominal panel size max.

Manufacturer: Pella Corporation, 102 Main Street, Pella, IA 50219

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 8th Edition (2023) Florida Building Code for use outside the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, PE, at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing PEL-1042A, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report NCTL-210-3936-02, National Certified Testing Laboratories, Orlando, FL, with testing performed with equivalency to: AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E 1886-13a/19, and ASTM E 1996-14a/17/20 (large missile impacts in accordance with Wind Zone 3),
- 4) Supplemental Calcs. to support PEL-1042A, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document PEL-1042A.

Limitations of Use: This product:

- May be used in up to 48 7/8" x 81 1/2" panel sizes (84" max. door height), with glass types and max. glass daylight sizes as shown in PEL-1042A
- Achieves design pressures of +/-55 psf
- Is Large Missile Impact Resistant and does not require the use of shutters
- May not be used in the High Velocity Hurricane Zone or Wind Zone 4 areas
- Requires Kuraray Trosifol PVB Interlayer
- Requires Quanex or Veka white rigid PVC frame extrusions

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Pella Corporation or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.



9/19/2023
Lucas A. Turner, P.E.
FL PE #58201