

Evaluation Report PEL-957C
September 26, 2023

Product Description: Series 510 PVC Single Hung, Large Missile Impact, 35 3/4" x 70 3/4" max. unit size at +/-60 psf for flange configuration and +/-55 psf for fin configuration.

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, not including the High Velocity Hurricane Zone or Wind Zone 4. 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-957C, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3946-01/03, by National Certified Testing Laboratories, Orlando, FL, and PRI-1778T0012.01/02/03/1778T0018, by PRI Construction Materials Technologies, Tampa, FL, with testing performed with equivalency to: ASTM E 1886-13a/19, ASTM E 1996-14a/17/20 (large missile impacts in accordance with Wind Zone 3), and AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17
- 4) Supplemental Calculations to support PEL-957C, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document PEL-957C.

Limitations of Use: This product:

- May be used up to the sizes and daylight openings with glazing as indicated in PEL-957C
- Achieves design pressures of +/-60 psf for flange and +/-55 psf for fin
- 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 PVB Interlayer: Kuraray Butacite or Eastman Saflex
- Requires Quanex (Mikron) 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.



9/26/2023
Lucas A. Turner, P.E.
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