

Product Description: Series 590 PVC Sliding Glass Door, LM Impact, 4'x8' nominal panel size max. with SG Interlayer, 4'x6'8" nominal panel size max. with PVB Interlayer

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 including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing PEL-298A, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3956-1 and -1A, from National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, P.E., and Test Report CWS-021-02-01, from PRI Construction Materials Technologies, Tampa, FL, signed and sealed by Zachary R. Priest, P.E., with testing performed with equivalency to: TAS 201/202/203-94, AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, and ASTM E 1886-13a/19, and ASTM E 1996-14a/17/20
- 4) Supplemental calculations to support PEL-298A, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document PEL-298A.

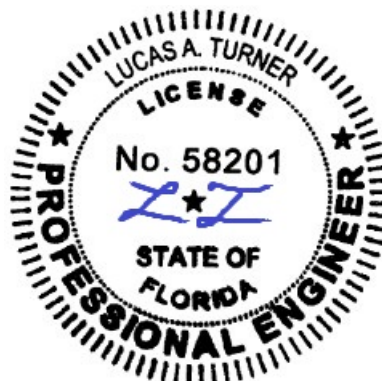
Limitations of Use: This product:

- May be used in up to 48 7/8" x 93 1/2" panel sizes (96" max. door height) with Glass Type A (SG), and up to 48 7/8" x 77 1/2" panel sizes (80" max. door height) with Glass Type B (PVB), with max. glass daylight sizes as shown in PEL-298A
- Achieves design pressures of +/-60 psf
- Is Large Missile Impact Resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Interlayers per current Miami-Dade NOA[†]: Glass Type A requires .090 Kuraray SentryGlas, Glass Type B requires .105" Kuraray Trosifol, Glass Type C requires .090" Kuraray Trosifol, and Glass Type D requires .077" Eastman Saflex Storm

- Requires Quanex or Veka white rigid PVC framing per current Miami-Dade NOA[†]

[†] I have evaluated these interlayer and framing materials and find that they comply with the requirements of the 8th Ed. (2023) Florida Building Code for use in this product.

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