

**Evaluation Report DA0007-R4**

July 3, 2018

**Product Description:** Stormbreaker Plus 300VL (Model 07-09) Impact Resistant PVC Casement Window, Single Unit

**Manufacturer:** Simonton Windows, 1 Cochrane Ave., Pennsboro, WV

**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 6<sup>th</sup> Edition (2017) 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) Installation drawing DA0007-R4, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports 82308.01-501-18, 83716.01-501-18, A7016.01-501-47, B8043.01-501-18, and C9011.01-501-47, from Architectural Testing, Inc., Springdale, PA (TAS signed/sealed by Michael Stremmel, P.E.), and SIMO-050-02-01, from PRI Construction Materials Technologies, Tampa, FL (TAS signed/sealed by Zachary R. Priest) with testing performed: TAS 201/202/203 1994, AAMA/WDMA/CSA 101/I.S.2/A440-05/08
- 4) Supplemental Calculations to support DA0007-R4, signed and sealed by Lucas A. Turner, P.E.
- 5) Test Report ETC-97-264-4091.0, from ETC Laboratories, Rochester, NY, signed and sealed by J. L. Doldan, P.E., report used for PVC extrusion Dade master file #12-1037, with testing performed: ASTM D1929-96 Ignition Temperature, ASTM D2843-93 Smoke Density, ASTM D635-96 Rate of Burning, ASTM G26-95 UV Exposure for 4500 hours, ASTM D638-96
- 6) Statement of equivalency of tested flame, smoke, UV, and tensile standards, with those required per FBC 2017 and Dade Plastics checklist #0445, signed and sealed by Lucas A. Turner, P.E.

**Installation:** Units must be installed according to installation drawing DA0007-R4.

**Limitations of Use:** This product:

- May be used in X configuration up to 36"x50" with design pressures (DP) of +/-55 psf, or 30x65" with DP of +/-50 psf, with max. daylight openings as shown in DA0007-R4
- Requires 1" overall I.G. consisting of 1/8" tempered outboard, and inboard laminated glass made up of 1/8" annealed – 0.090" Eastman Saflex HP PVB – 1/8" annealed
- Is Large Missile Impact Resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires Sim Ex PVC extrusions in accordance with Technical Doc. 5) and 6) above
- Requires Eastman Saflex HP PVB Interlayer per Miami-Dade N.O.A. # 17-0712.04

**Certification of Independence:** I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Simonton Windows 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.



*LT*

7/3/2018

Lucas A. Turner, P.E.  
FL PE #58201