

Evaluation Report RM0052r5 (Non-HVHZ)

October 4, 2017

Product Description: Stormbreaker Plus 300VL Vinyl Mullions with Medium Alum. Reinf.

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 6th Edition (2017) Florida Building Code outside 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 1239 Jabara Ave., North Port, FL
- 2) Installation drawing RM0052r5, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports 83716.01-501-18 from Architectural Testing Inc., Springdale, PA, signed and sealed by Michael D. Stremmel, P.E., with testing performed: TAS 201/202/203 1994
- 4) Supplemental Calculations to support RM0052r5, signed and sealed by Lucas A. Turner, P.E.
- 5) Test Report ETC-97-264-4091.0 (report used for PVC extrusion Dade master file), from ETC Laboratories, Rochester, NY, signed and sealed by J. L. Doldan, P.E, 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 6th Ed. (2017) and Dade Plastics checklist #0445, signed/sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to installation drawing RM0052r5.

Limitations of Use: This product:

- Consists of the Medium Vinyl Cover VPI-436 and 6063-T6 Aluminum Medium Reinforcement #20634, with anchorage as shown in RM0052r5
- May be used to mull Stormbreaker Plus products up to 53" x 76" unit size.
- Achieves design pressures as shown in RM0052r5 for mullion; the lower of the mullion design pressure or applicable design pressures of the mulled windows shall prevail.
- Is Large Missile Impact Resistant and does not require the use of shutters
- May not be used in the High Velocity Hurricane Zone
- Requires white Sim Ex PVC extrusions as indicated in RM0052r5

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.



Lucas A. Turner

10/4/2017

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