

Evaluation Report RM0052r7 (Non-HVHZ)

August 13, 2026

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 9th Edition (2026) Florida Building Code outside the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

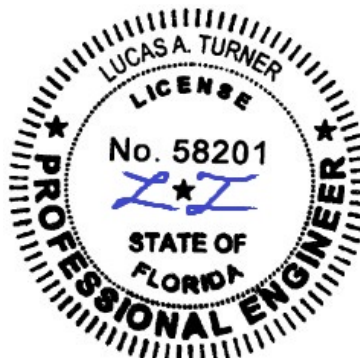
Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc. Trl., Camden, TN
- 2) Installation drawing RM0052r7, 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 RM0052r7, 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 9th Ed. (2026) and Dade Plastics checklist #0445, signed/sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to installation drawing RM0052r7.

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 RM0052r7
- May be used to mull Stormbreaker Plus products up to 53" x 76" unit size.
- Achieves design pressures as shown in RM0052r7 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



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

- Requires white Sim Ex PVC extrusions as indicated in RM0052r7

Coastal Compliance:

- Baseplate is Type 304 stainless steel and is coastal compliant. Fastener criteria other than described below shall be in accordance with RM0052r7.
- Fasteners used in locations less than or equal to 300 ft from a saltwater coastline, where any portion of the fastener is located to the exterior of the Water-Resistive Barrier (WRB) of the wall construction, or is a Weather-Exposed Surface, or as otherwise required by the Authority Having Jurisdiction (AHJ), shall meet the criteria of FBC Sect. 1711.1.1.1 or RBC Section R332.1.1.1 as applicable.
 - For wood and metal installation substrates, requires stainless steel, 100 ksi min. ult. (cold worked).
 - For concrete/masonry substrates requires 1/4" Simpson Strong-Tie Type 316 Stainless-Steel Titen Turbo or 1/4" Dewalt Aggre-Gator 300 Series SS fasteners.
 - In solid concrete, 2.67 ksi min., requires 1-1/2" min. embedment and 1-1/2" min. edge distance.
 - In hollow or grout-filled CMU applications, ASTM C-90. requires 1-1/4" min. embedment and 2" min. edge distance.
- Fasteners used in locations less than or equal to 300 ft from a saltwater coastline, where the entire fastener is located to the interior of the WRB of the wall construction, or determined by the Registered Design Professional or AHJ for the project to be located within the Unconditioned Interior of the wall construction, or as otherwise required by the AHJ, shall meet the criteria of FBC Sect. 1711.1.1.2 or RBC Section R332.1.1.2 as applicable^{††}.
- Fasteners used in locations greater than 300 ft and up to 3000 ft from a saltwater coastline, in any Exterior/Interior location of the wall construction, or as otherwise required by the AHJ, shall meet the criteria of FBC Sect. 1711.1.1.2 or RBC Section R332.1.1.2 as applicable^{††}

^{††} ITW Tapcon and Dewalt Ultracon+ carbon steel fasteners as indicated meet these criteria with coatings provided by the manufacturer. Kwik-Cote on Hilti Kwik-Flex and Climaseal on ITW TEKS fasteners also meet these corrosion resistance criteria. Other fasteners must be galvanized or otherwise coated in accordance with one of the standards provided in FBC Sect. 1711.1.1.2 or RBC Sect. R332.1.1.2.

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.

