

Evaluation Report 316-01

April 16, 2026

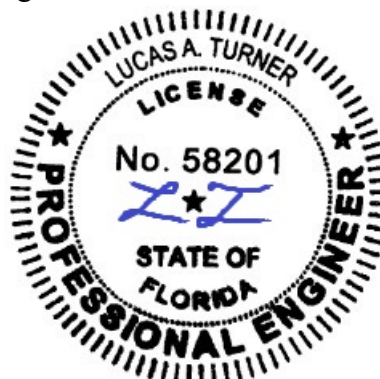
Product Description: Crown Corr Aluminum Curtain Wall

Manufacturer: Crown Corr, Inc., 7100 West 21st Ave., Gary, IN, 46406

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 in general, including the High Velocity Hurricane Zone, and FBC Section 2415 specifically. 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 316-01, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report R0071.01-450-32-r0, by Intertek, WPB, FL, with testing performed with equivalency to: TAS 201/202/203 Small Missile, AAMA 501-15, ASTM E 283, ASTM E 330, ASTM E 331
- 4) Approval and recommendation in writing documented in Test Report NY26-12141A, by the silicone manufacturer GE / Momentive, including ASTM C794 adhesion and ASTM C1087 compatibility of the sealant for use in this product, to low-e and standard glass, and PPG Duranar, Alpolic MST, and Alpolic FZZ finishes. Manufacturer documentation of GE 4600 Silicone includes tested compliance to ASTM C 920, ASTM C 1135, ASTM D 624, and ASTM D 2240
- 5) Approval of Job-Site Reglazing procedures in writing by the silicone manufacturer GE / Momentive in letter to Crown Corr dated March 19, 2026.
- 6) Miami-Dade Plastics Checklist #0445 testing as documented in Test Report R1069.01-106-18 by Intertek, York, PA, with testing performed on both exterior grade PVC and Alcryn as used in this product and indicated in drawing 316-01:
 - a. ASTM G 155 Xenon Arc accelerated weathering 4500 hours
 - b. ASTM D 638 / D 412 tensile tests with tested PVC tensile strength non-exposed of 6540 psi and exposed 6930 (Pass, +6% change), and tested Alcryn tensile strength non-exposed of 1300 psi and exposed 1290 psi (Pass, -1% change)
 - c. ASTM D 1929 Self-Ignition Temperature test results of 824⁰F for PVC and 662⁰F for Alcryn (Pass, > 650⁰F)
 - d. ASTM D 2843 Smoke Density Ratings of 60.2 for PVC and 60.7 for Alcryn (Pass, < 75)
 - e. ASTM D 635 Rate of Burning test results of Class CC1 for PVC and Class CC2 for Alcryn (Pass)



Lucas Turner
2026.04.16 14:02:08
-05'00'

4/16/2026
Lucas A. Turner, P.E.
FL PE #58201

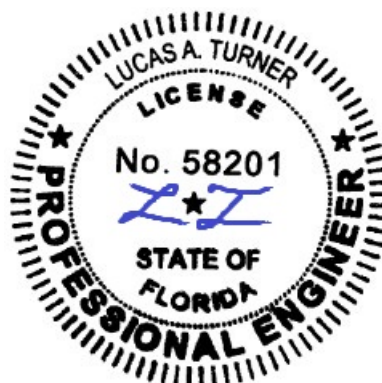
7) Supplemental Calculations to support 316-01, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document 316-01.

Limitations of Use: This product:

- May be used in up to the DLO and module sizes and configurations as indicated in 316-01. Each project to have Approved Shop Drawings signed/sealed by a Florida Licensed Engineer, who shall take full responsibility of the installed product.
- Requires structural glazing units shall be shop fabricated and shop installed. Field reglazing shall be in accordance with Crown Corr requirements as approved by GE / Momentive.
- Requires as part of ongoing Quality Control procedures, a minimum of 1% of the structurally glazed panels shall be tested for load carrying capacity and sealant adhesion.
- Achieves design pressures as indicated in 316-01
- Is small missile impact resistant and does not require the use of shutters in windborne debris regions when used above 30 ft above grade.
- For small missile rating, requires GLS1 glass 1/4" FT + 3/8" aluminum spacer + Laminated Glass (1/4" HS + 0.060" Kuraray PVB + 1/4" HS). Interlayer must be in accordance with current Miami-Dade NOA. I have evaluated this interlayer and find that it complies with the requirements of the 8th Ed. (2023) Florida Building Code for use in this product.
- Requires construction as indicated in 316-01.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Crown Corr 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.



4/16/2026
Lucas A. Turner, P.E.
FL PE #58201