

**Evaluation Report – CW400 Captured Impact**  
August 27, 2015

**Product Description:** CW400, Captured Impact

**Manufacturer:** Tubelite Inc., 3056 Walker Ridge DR. NW Suite G, Walker, Michigan 49544

**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 Florida Building Code including the HVHZ. 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) Approval drawing FPA-400-CAP-IMP, signed and sealed by Lucas A. Turner, P.E.
- 3) Test reports B3864.01-450-18, B3864.03-450-18, B3864.04-450-18, and B3864.05-450-18 by Architectural Testing, Inc., signed and sealed by Vinu Abraham, with testing performed: ASTM E 283-2004, ASTM E 331-2000, AAMA 501.1-2005, AAMA 501.5-07, ASTM E330-2002, ASTM E 1886-2005, ASTM E 1996-2009, and TAS 201/202/203-1994
- 4) Supplemental Calculations to support FPA-400-CAP-IMP, signed and sealed by Lucas A. Turner, P.E.
- 5) Certification statement from Trelleborg, the supplier for dry-glazed gasket PTB28, for compliance with ASTM C 864-2005

**Installation:** Units must be installed according to approval document FPA-400-CAP-IMP.

**Limitations of Use:** This product:

- May be used in the panel sizes, maximum glass DLO sizes, and design pressures as shown in FPA-400-CAP-IMP
- Is impact resistant and does not require the use of shutters in windborne debris regions. As noted in FPA-400-CAP-IMP, glass types 1 through 3 are Large Missile impact resistant and glass type 4 is Small Missile impact resistant.
- May be used in the High Velocity Hurricane Zone
- Requires 1-5/16" overall I.G. glazing with 1/4" fully tempered outboard lite, and inboard lite consisting of 1/4" HS + interlayer + 1/4" HS where the interlayer by glazing type is:
  - Glazing Type 1 – 0.090" Kuraray (Dupont) Sentry Glas per M-D NOA 14-0916.11
  - Glazing Type 2 – 0.075" Eastman Chemical Saflex CP per M-D NOA 14-0423.15
  - Glazing Type 3 – 0.090" Kuraray (Dupont) Butacite PVB per M-D NOA 14-0916.10
  - Glazing Type 4 – 0.060" Kuraray (Dupont) Butacite PVB per M-D NOA 14-0916.10
- Requires 6063-T5 and -T6 aluminum extrusions as indicated in FPA-400-CAP-IMP

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

8/27/2015  
Lucas A. Turner, P.E.  
FL PE #58201