

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
336-945-9695

Engineering Evaluation Report

Report No.: 511382

Manufacturer: PGT Industries
1070 Technology Drive
Nokomis, FL 34275

Product Line: 2LT HR2710M PVC Horizontal Roller – Impact

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Community Affairs for Statewide Acceptance per Rule 9B-72.070 method 1(d). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-00839, titled 2LT HR2710M PVC Horizontal Roller – Impact, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No. NCTL 210-3635-2, signed and sealed by Gerard J. Ferrara, P.E.
National Certified Testing Laboratories, Orlando, FL.
TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure, +60.0/-65.0psf design pressure, 9.0psf water infiltration
TAS 203-94 Cyclic Pressure Loading, +60.0/-65.0psf design pressure
3. Test report No. NCTL 210-3635-2A, signed and sealed by Gerard J. Ferrara, P.E.
National Certified Testing Laboratories, Orlando, FL.
AAMA/WDMA/CSA 101/I.S.2/A440-05 +60.0/-65.0psf design pressure, 9.0psf water infiltration
ASTM E1886-02/05 and ASTM E1996-02/05
ASTM E1886/ E1996 Large Missile Impact
ASTM E1886/ E1996 Cyclic Load Test, +60.0psf/-65.0psf design pressure
4. Anchor calculations, report number 511382-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: +60.0/-65.0psf
- Maximum window size: 74 1/4" x 63 1/4"
- Maximum sash size: 36 1/4" x 59 9/16"
- Units must be glazed per ASTM E 1300 with:
 - 5/16" laminated consisting of : 1/8" HS – 0.090" DuPont Butacite PVB – 1/8" HS
 - 7/8" IGU consisting of: Exterior lite consisting of 1/8" HS – 0.090" DuPont Butacite PVB – 1/8" HS – Air – 1/8" Temp interior lite.
- This product is rated to be used in the HVHZ
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be extruded rigid white PVC .080" thick.
- Sash material to be extruded rigid white PVC .070" thick.

Installation: Units must be installed in accordance with approval document, 08-00839.

Certification of Independence: Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

