

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 511419A

Manufacturer: Nan Ya Plastics Corp. USA
8989 North Loop East
Houston, TX 77029

Product Line: Neuma Classic PVC Glazed Patio Door Inswing/Outswing Non-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 08-00872, titled Neuma Classic PVC Glazed Patio Door Inswing/Outswing Non-Impact, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No. CTLA 1973W signed and sealed by Ramesh Patel, P.E.
Certified Testing Laboratories, Orlando, FL
ANSI/AAMA/WDMA 101/I.S.2/NAFS-02 and ASTM E330-02
Design pressure: ± 50.0 psf
Water penetration resistance 5.25psf
3. Test report No.: CTLA 1973W-1 signed and sealed by Ramesh Patel, P.E.
Certified Testing Laboratories, Orlando, FL
ANSI/AAMA/WDMA 101/I.S.2/NAFS-02 and ASTM E330-02
Design pressure: ± 50.0 psf
Water penetration resistance 7.5psf
4. Test report No.: ETC-05-255-16777.1 signed and sealed by Joseph Labora Doldan P.E.
ETC Laboratories, Rochester, NY (Cellular PVC Testing)
Smoke density ASTM D2843 49.6%
Rate of burning ASTM D635 C1
Self Ignition Temperature ASTM D1929 950^oF
Tensile Strength of unexposed samples ASTM D638 6,019psi
Tensile strength of exposed samples ASTM D638 6,014psi
5. Anchor calculations, report number 511419-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure inswing: +35.0psf/-50.0psf (Where water resistance is required)
 ± 50.0 psf (Where water resistance is not required)
- Maximum design pressure outswing: ± 50.0 psf
- Maximum unit size: 71 1/4" x 82 1/2"
- Approved configurations: X, OX and XO
- Units must be glazed with per ASTM E 1300.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.

Installation: Units must be installed in accordance with approval document, 08-00872.

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).

