

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 513837A

Manufacturer: Nan Ya Plastics Corporation
8989 North Loop East
Houston, TX 77029

Product Line: 8' Outswing Door SLP (OXX) - Impact HVHZ

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-02984, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: CTLA 1420W signed and sealed by Ramesh Patel, P.E.
 Certified Testing Laboratories, Orlando, FL
 TAS 201 Large Missile Impact Test, Level D, Wind Zone 4
 TAS 202 Uniform Static Air Pressure, ±50.0psf design pressure, 7.5psf water penetration.
 TAS 203 Cyclic Pressure loading ±50.0psf design pressure
3. Test report ETC-05-255-16776.1 signed and sealed by Joseph Labora Doldan P.E.
 ETC Laboratories, Rochester, NY
 Fiberglass testing

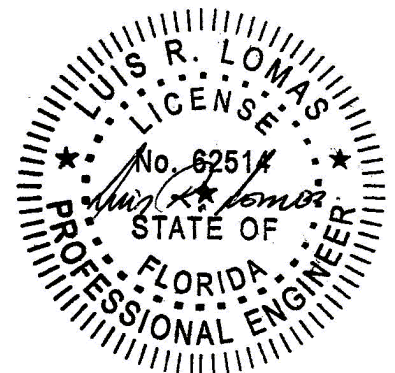
ASTM D2843 Smoke density	52.1%
ASTM D635 Rate of burning	C1
ASTM D1929 Self ignition temperature	1060 °F
ASTM D638 Tensile strength unexposed	11,860 psi
Tensile strength Xenon arc exposed	11,063 psi
4. Test report ETC-05-255-16777.1 signed and sealed by Joseph Labora Doldan P.E.
 ETC Laboratories, Rochester, NY
 Cellular PVC testing

ASTM D2843 Smoke density	49.6%
ASTM D635 Rate of burning	C1
ASTM D1929 Self ignition temperature	950 °F
ASTM D638 Tensile strength unexposed	6,019 psi
Tensile strength Xenon arc exposed	6,014 psi
5. Test report ETC-05-255-17144-7 signed and sealed by Joseph Labora Doldan P.E.
 ETC Laboratories, Rochester, NY
 Rigid PVC testing

ASTM D2843 Smoke density	37.4%
ASTM D635 Rate of burning	C1
ASTM D1929 Self ignition temperature	900 °F
ASTM D638 Tensile strength unexposed	6,140 psi
Tensile strength Xenon arc exposed	6,053 psi
6. Test report ETC-06-255-17412.1 signed and sealed by Joseph Labora Doldan P.E.
 ETC Laboratories, Rochester, NY
 Phenolic Foam testing

ASTM E84 Flame spread index	10
Smoke developed index	95
7. Test report ETC-06-255-17900.0 signed and sealed by Joseph Labora Doldan P.E.
 ETC Laboratories, Rochester, NY
 Phenolic Foam testing

ASTM D1929 Self ignition temperature	1100 °F
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8. Anchor calculations, report number 513837-1, prepared, signed and sealed by Luis Roberto Lomas P.E.



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Limitations and Conditions of use:

- Maximum design pressure: ± 50.0 psf
- Maximum unit size: 109" x 95 1/2"
- Approved configurations: OXX, XXO, OX, XO, XX, X, O
- Units must be glazed per ASTM E1300 see installation instructions for glass details.
- 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 foam PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02984.

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).

