

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 514669A

Manufacturer: Nan Ya Plastics Corporation U.S.A.
8989 North Loop East
Houston, TX 77029

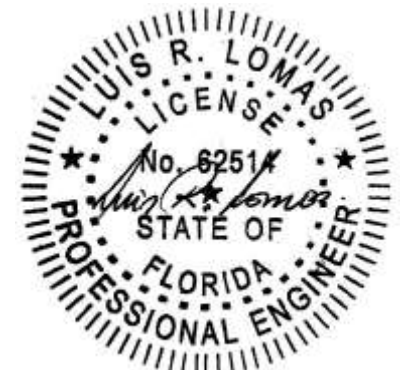
Product Line: Series "SPLS" Fiberglass Glazed Sliding Glass Door 8'0 with 3/4" Lite Panels - Impact

Compliance:

The product mentioned above 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(a). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03580, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 210-4103-01 signed and sealed by Douglas J. McDougall P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 Uniform Static Air Pressure, ± 50.0 psf design pressure, 7.5psf water penetration.
TAS 203 Cyclic Pressure loading ± 50.0 psf design pressure
3. Report No.: NCTL 210-4103-01A signed by Mark Bennett
National Certified Testing Laboratories, Orlando, FL
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 50.0 psf
Water penetration resistance 7.5psf
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 50.0 psf design pressure
4. 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
5. 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
6. 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
7. Anchor calculations, report number 514669-1, 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
- Panel size: 35 3/4" x 92 3/8"
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- 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 CO-EX.
- Panel skin to be .095" fiberglass.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03580.

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).

