



382 NE 191ST STREET #29889 • MIAMI • FLORIDA • 33179
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9/23/2022

Product Evaluation Report – Method 1(d) - 21897.1

Product Description: Series: ECU 53 Outswing French Door

Manufacturer: La Finestra, LC 2790 NW 104TH Court, Doral, FL 33172

Statement of Compliance:

This report evaluates the above-listed product installation instructions per the requirements of FAC Product Approval Rule Chapter 61G20-3.005. This product complies with the requirements of the 7th Edition (2020) Florida Building Code within and outside of the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Data:

- 1) This report, prepared by Troy Bishop, P.E. of Axiom Structures at 382 NE 191st Street #29889, Miami, Florida.
- 2) Installation instructions pages 1 – 12 titled “LA FINESTRA, LC SERIES: ECU 53 OUTSWING FRENCH DOOR LARGE MISSILE IMPACT RESISTANT”
- 3) Uniform static structural, large missile impact resistance and cyclic loading performance have been tested in accordance with TAS 201, TAS 202 and 203 test standards per test report(s) HETI-08-2005, HETI-08-2020, HETI-08-2163, HETI-08-2076A, HETI-11-3365, HETI-09-2627, HETI-09-2677, HETI-10-3002, HETI-10-3003, HETI-10-3009, HETI-10-3010 by Hurricane Engineering and Testing, Inc. and signed and sealed by Candido Font, P.E; HETI-17-5018, HETI-17-5019 and HETI-21-7077 by Hurricane Engineering and Testing, Inc. and signed and sealed by Rafael Droz-Seda, PE and Ram N. Tewari, P.E; FTL-4531, FTL-3881 by Fenestration Testing Laboratory, Inc. and signed and sealed by Edmundo Largaespada, P.E
- 4) Structural calculations performed by Troy Bishop, P.E. which evaluate the design of the product based on rational and/or comparative analysis regarding anchor spacing, maximum allowable size and pressures, glass capacity, and anchor capacity.
- 5) The following are approved for use in the HVHZ as specified in their corresponding NOAs:
 - a. SentryGlas Interlayer by Kuraray America, Inc.
(NOA#’s: 20-0915.19)
 - b. Trosifol Ultraclear, Clear and Color PVB by Kuraray America, Inc.:
(NOA#’s: 20-0915.22)
 - c. Saflex PVB -Clear and Color Glass Interlayer by Eastman Chemical Co.:
(NOA#’s: 21-0216.01)
- 6) Impact resistance: Large and small missile impact resistance has been demonstrated on the technical data.
- 7) Wind resistance: Wind load resistance has been demonstrated on the technical data.



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Installation:

Units must be installed in strict compliance with installation instructions pages 1 – 12 titled “LA FINESTRA, LC SERIES: ECU 53 OUTSWING FRENCH DOOR LARGE MISSILE IMPACT RESISTANT” including bill of materials and all components noted therein and/or as listed on test reports.

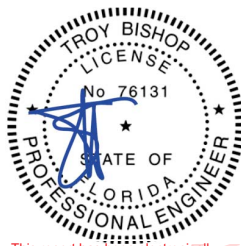
Limitations of Use: This product shall only be installed in compliance with the installation instructions. All host structures to which this product is attached, shall be designed separately to resist imposed loads. Any conditions not accounted for on the installation instructions, shall be designed by an engineer on a site-specific basis.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in La Finestra 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.

Respectfully Submitted,

Troy Bishop, P.E.

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This report has been electronically signed and sealed using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed
by Troy Bishop
Date:
2022.09.23
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