



Structural Engineers | Welding inspectors | Steel specialists
10740 NW 17th St, Plantation, FL 33322

Date: 10/10/2020

PRODUCT EVALUATION REPORT.

Florida Product Approval: FL20513

Product Manufacturer: Continental Glass Systems Inc.
325 West 74th Place
Hialeah, FL 33014

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

Product Name: Series 10000 Glazed Aluminum Outswing Door - LMI
(Impact)
Max 86" x 144"

Building Code: Florida Building Code, 7th Edition (2020), Chapter 16 & 24

Scope:

This is a Product Evaluation Report issued by Soumel Loriga, P.E. (FL # 77736) for Continental Glass Systems Inc. based on Method Ia of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Soumel Loriga, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions FL 20513 SDR-10000-LM SI 10-10-20 SS, signed and sealed by Soumel Loriga, P.E. (FL # 77736) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and does not require an impact resistant covering.



Limits of Use (Cont.):

4. Site conditions that deviate from the details of drawing FL 20513 SDR-10000-LM SI 10-10-20 SS require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions FL 20513 SDR-10000-LM SI 10-10-20 SS for size and design pressure limitations.

Performance Testing Standards:

The product described herein has been tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

Quality Assurance:

The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through National Accreditation & Management Institute (FBC Organization #: QUA1789).

Reference Data:

1. Product Testing performed by Blackwater Testing Inc.
(FBC Organization # TST10394)
Report #: BT-CON-16-001, Report Date: 06/30/2016

2. Product Testing performed by Fenestration Testing Laboratory, Inc.
(FBC Organization # TST1657)
Report #: #5567 Report Date: 08/20/2008
Report #: #6132 Report Date: 02/16/2010

3. Certification Agency
National Accreditation & Management Institute
(FBC Organization #: CER1773)

4. Material Certification
Miami-Dade County RER-Product Control Section NOA
SentryGlas Interlayer by Kuraray America, Inc.

5. Material Certification
Miami-Dade County RER-Product Control Section NOA
Saflex CP Interlayer by Eastman Chemical Co.



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Installation: Through Frame Installation:

A. For wood substrate use (1) #14 Wood Screw type anchor per location of sufficient length to achieve minimum embedment of 1.5" into wood.

B. For concrete substrate where one by (1X), non-structural, wood bucking is employed, use (1) 5/16" diameter Elco UltraCon or Dewalt Ultracon concrete screw anchor per location of sufficient length to achieve minimum embedment of 1.75" into concrete.

C. For concrete substrate where wood bucking is NOT employed, use (1) 5/16" diameter Elco UltraCon or Dewalt Ultracon type concrete screw anchors per location of sufficient length to achieve minimum embedment of 1.75" into concrete.

D. For steel substrate, use (1) #14 Grade 5 Self-Tapping or Self-Drilling SMS type anchor per location of sufficient length to achieve minimum three threads of penetration beyond steel structure.

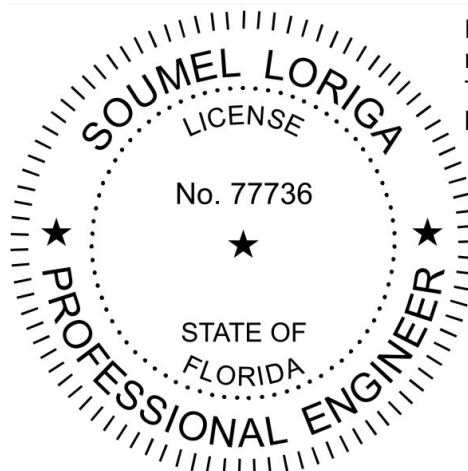
Refer to Installation Instructions FL 20513 SDR-10000-LM SI 10-10-20 SS for anchor spacing and more details of the installation requirements.

Design Pressure: Refer to Installation Instruction drawings for allowable wind pressures.

Please call or email with any questions

Respectfully,

Soumel Loriga, P.E.
SLM Engineers LLC
sam@slmengineers.com



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Soumel Loriga

