



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

Date: 10/10/2020

PRODUCT EVALUATION REPORT.

Florida Product Approval: FL17175

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

Product Category: Exterior Doors

Product Sub-Category: Sliding Exterior Door Assemblies

Product Name: Series 2850 Aluminum Lift and Slide Door- SMI
(Impact)
202" x 148.50"

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 CGS110, 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.



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Limits of Use (Cont.):

4. Site conditions that deviate from the details of drawing CGS110 require further engineering analysis by a licensed engineer or registered architect.

5. See Installation Instructions CGS110 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-15-014A, Report Date: 11/12/2015

2. Waiver of Retest
National Accreditation & Management Institute
Waiver#: W-1829 Date: 08/10/17

4. Material Certification
Miami-Dade County RER-Product Control Section NOA
SentryGlas Interlayer by E.I. DuPont De Nemours & Co., Inc.

5. Material Certification
Miami-Dade County RER-Product Control Section NOA
Butacite PVB Interlayer by E.I. DuPont De Nemours & Co., Inc.



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Installation:

Through Frame Installation:

A. For wood substrates use (1) #14 Wood Screw type anchor per location of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.

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

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

D. For steel substrate, use (1) 1/4" Teks Select Screw or Self-Drilling SMS type anchor per location of sufficient length to achieve minimum three threads of penetration beyond steel structure.

E. For aluminum substrate, use (1) 1/4" Teks Select Screw Self-Drilling SMS anchor per location of sufficient length to achieve minimum three threads of penetration beyond aluminum structure.

Refer to Installation Instructions (CGS110) for anchor spacing and more details of the installation requirements.

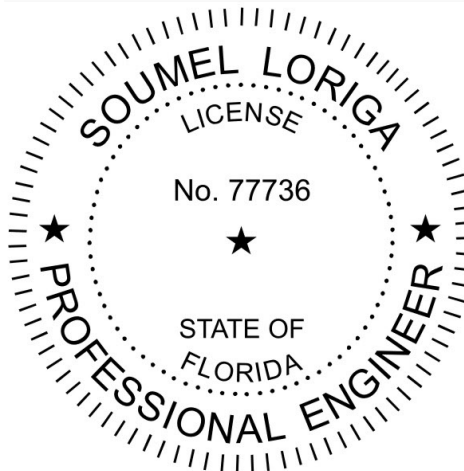
Design Pressure:

Refer to Installation Instructions (CGS110) for design pressure limitations, configurations and sizes.

Please call or email with any questions

Respectfully,

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



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