



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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Product Evaluation Report

of

Continental Glass System, LLC.

Series 10000 Glazed Aluminum Outswing Door - LMI

for

Florida Product Approval

FL# FL20513

Report No. 4470

Current Florida Building Code

Method: 1 – A (Certificate)
Category: Exterior Doors
Sub – Category: Swinging Exterior Door Assemblies

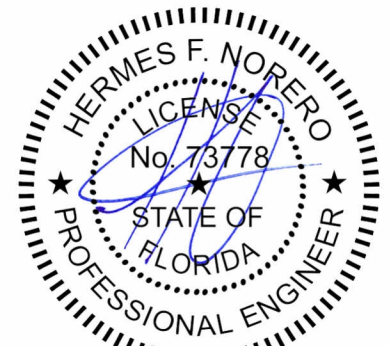
Product: Series 10000 Glazed Aluminum Outswing Door
Material: Aluminum
Product Dimensions: Max 86” x 144”

Prepared For:
Continental Glass Systems, LLC.
325 West 74 Place
Hialeah, FL 33014

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 08/25/2016

Contents:

Evaluation Report Pages 1 – 4
Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2016.08.25 17:18:06 -04'00'



Hermes F. Norero, P.E.
Florida No. 73778



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FL# FL20513
Date: 08/25/2016
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Manufacturer: Continental Glass Systems, LLC.

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

Compliance Method: State Product Approval Method (1)(a)

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

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Continental Glass Systems, LLC.** based on Method 1a of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, 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 **SDR-1000-LM-OS**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) 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 for Large Missile Impact and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **SDR-1000-LM-OS** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **SDR-1000-LM-OS** for size and design pressure limitations.

Hermes F. Norero, P.E.
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Certification Entity: The manufacturer has demonstrated compliance of products in accordance with the applicable Florida Building Code requirements for product certification and quality assurance through **National Accreditation & Management Institute, Inc.** (FBC Organization #: CER1773).

Performance Standards: The product described herein has been tested per:

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

Referenced 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: 1. Approved anchor types and substrates are as follows:

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** 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** 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 (**SDR-1000-LM-OS**) for anchor spacing and more details of the installation requirements.

Design Pressure:

With Transom:	+90 / -90 psf
Without Transom:	+110 / -110 psf