



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

**Downey Glass
DG-300 Series Window Wall
(HVHZ)(Impact)**

for

Florida Product Approval

FL# FL42120

Report No. 8590

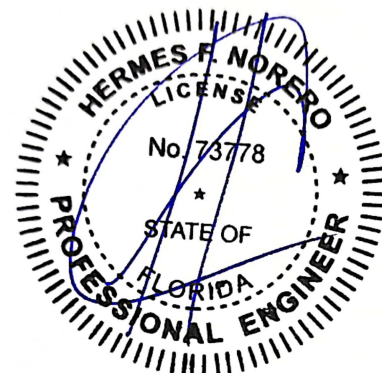
Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Panel Walls
Sub – Category: Storefronts

Product: DG-300 Series Window Wall
Materials: 6063-T6
Product Dimensions: See Installation Instructions, DWG011

Prepared for:
Downey Glass
1010 NW 15th Ave.
Pompano Beach, FL 33069

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 06/09/2022



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Digitally signed by Hermes F. Norero, P.E.

Reason: I am approving this document

Date: 2023.06.13 16:02:54 -04'00'

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



FL#: FL42120
Date: 6/12/2023
Report No: 8590

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Manufacturer: Downey Glass

Product Category: Panel Walls

Product Sub-Category: Storefronts

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

Product Name: DG-300 Series Window Wall (HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Downey Glass** based on Method 1d of the State of Florida Product Approval, 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 Edition of the Florida Building Code.

See Installation Instructions **DWG011**, 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 Edition of the 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 Edition of the Florida Building Code and **does not require** an impact resistant covering in areas requiring Impact Resistance.
4. Site conditions that deviate from the details of drawing **DWG011**, require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **DWG011**, for size and design pressure limitations.



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Quality Assurance:

The manufacturer has demonstrated compliance of manufacture of products in accordance with the current 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)

Performance Standards:

The product described herein has been tested per:

- AAMA 501-15
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Blackwater Technical Services Inc.**
(FBC Organization # TST10394)
Report #: BT-AT-14-001A, Report Date: 11/25/2014
TAS Report Signed and Sealed by Yamil, Kuri, P.E. #44726
2. Product Testing performed by **Architectural Testing, Inc.** (an Intertek company)
(Previously Hurricane Test Laboratory, LLC.)
(FBC Organization # TST1527)
Report #: 0085-0207-06, Report Date: 04/03/2006
Report #: 0085-0507-07, Report Date: 05/07/2007
TAS Report Signed and Sealed by Vinu J. Abraham, P.E. #53820
3. Material Certification
Miami-Dade County Notice of Acceptance
Kuraray America
Trosifol PVB Interlayer
SentryGlas Interlayer
4. Material Certification
Miami-Dade County Notice of Acceptance
Eastman Chemical Company (Previously Solutia)
Saflex Storm
Saflex HP
5. Material Certification
Miami-Dade County Notice of Acceptance
Polymer Extrusion Technology, Inc. dba Glasslam
Glasslam Safety-Plus II (Polylam)

Installation:

Refer to Installation Instructions (**DWG011**) for more details of the installation details.

Design Pressure:

Refer to Installation Instructions (**DWG011**) for design pressures based on size, configuration, and glass types.

Equivalence of Test Standards:

This document shall serve to state that the manufacturer's products in question comply with Chapter 17 & 24 of the Current Florida Building Code for testing in accordance with AAMA 501-15 "Methods of Tests for Exterior Walls".

Further, the testing on this product complies with the requirements specified within the AAMA 501-15 standard, as required by the Florida Building Code. This standard is listed under Chapter 35 of the current Florida Building Code and titled "Methods of Tests for Exterior Walls".

At a minimum, AAMA 501-15 requires exterior wall systems be tested to ASTM E283, ASTM E330 and ASTM E331 test standards.

The manufacturer has successfully tested their products to ASTM E283, ASTM E330, and ASTM E331 in accordance with the test requirements set forth within TAS 202-94. All test methods and procedures may be considered equivalent or better than those in AAMA 501-15.

All test results meet or exceed requirements of the Current Florida Building Code.