MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway, Suite 301
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Mobile: (305) 588-5224
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# PRODUCT APPROVAL EVALUATION REPORT

| *Product Manufacturer:* | *Product Name/Model & Description:* |
|---|---|
| ***Global Performance Window Inc. d.b.a. Epsylon USA***<br>*2115 SW 2ND Street*<br>*Pompano Beach, FL 33069* | ***Series EUSA SD-20 Aluminum Sliding Glass Door***<br>*Aluminum sliding glass door – small missile impact*<br>***Series EUSA SD-20 Aluminum Sliding Glass Door***<br>*Aluminum sliding glass door – large missile impact*<br>***Series EUSA SD-20i Aluminum Sliding Glass Door***<br>*Aluminum sliding glass door – small missile impact* |

**Scope:** This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 61G20-3.005 F.A.C. Re-evaluation of this product shall be required following applicable Code modifications or revisions.

**Code: 8th Edition 2023 Florida Building Code**, inclusive of all Supplements effective as of this report date.

**Compliance Method:** 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

**Product Description:** Product Approval **Drawing #AD15-38**, **#AD15-39,** and **#AD15-44** prepared by MCY Engineering, signed and sealed by the Yiping Wang P.E., is an integral part of this Evaluation Report.

**Limitations & Conditions of Use:**

- This product has been evaluated for use **inside/outside the HVHZ** (High Velocity Hurricane Zone)
- Impact Resistance: **Large and Small Missile Impact**
- Refer to Product Approval Drawing noted above for:
    - Maximum allowable wind loads at related maximum allowable size(s).
    - Other load limitations applicable to the product, if any.
    - Overall dimensions and material/grade of main product components, accessories, etc.
    - Illustrated diagrams of the attachment of the product to the structure.
    - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.

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## Test Reports:

**Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)**

| Test Lab | Report Number | Test Report Date | Test Standard & Description |
|---|---|---|---|
| Fenestration Testing Lab (FTL) – Medley, FL | *FTL-7157, signed and sealed by Jorge A. Naya, Jr., P.E. FL #20778* | 6/27/13 | ASTM E283 (air infiltration, exterior curtain walls)<br>ASTM E331 (static pressure water resistance, curtain walls)<br>ASTM E547 (water penetration by cyclic static air pressure difference)<br>TAS 201 (large and small missile impact test)<br>TAS 202 (uniform static test, forced entry test)<br>TAS 203 (cyclic wind pressure loading)<br>ASTM F842 (forced entry resistance test)<br>ASTM E987 (deglazing test) |
| Fenestration Testing Lab (FTL) – Medley, FL | *FTL-7657, signed and sealed by Marlin Brinson, P.E. FL #60749* | 2/10/14 | ASTM E283 (air infiltration, exterior curtain walls)<br>ASTM E331 (static pressure water resistance, curtain walls)<br>ASTM E547 (water penetration by cyclic static air pressure difference)<br>ASTM E2068 (operating force test)<br>ASTM F842 (forced entry resistance test)<br>TAS 201 (large and small missile impact test)<br>TAS 202 (uniform static test, forced entry test)<br>TAS 203 (cyclic wind pressure loading) |
| Fenestration Testing Lab (FTL) – Medley, FL | *FTL-7349, signed and sealed by Jorge A. Naya, Jr., P.E. FL #20778* | 7/5/13 | ASTM E283 (air infiltration, exterior curtain walls)<br>ASTM E331 (static pressure water resistance, curtain walls)<br>ASTM E547 (water penetration by cyclic static air pressure difference)<br>ASTM F842 (forced entry resistance test)<br>TAS 201 (large and small missile impact test)<br>TAS 202 (uniform static test, forced entry test)<br>TAS 203 (cyclic wind pressure loading) |
| Fenestration Testing Lab (FTL) – Medley, FL | *FTL-7742, signed and sealed by Idalmis Orteda, P.E. FL #76905* | 4/21/14 | ASTM E283 (air infiltration, exterior curtain walls)<br>ASTM E331 (static pressure water resistance, curtain walls)<br>ASTM E547 (water penetration by cyclic static air pressure difference)<br>ASTM F842 (forced entry resistance test)<br>ASTM E2068 (operating force test)<br>TAS 201 (large and small missile impact test) |

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|---|---|---|---|
| | | | TAS 202 (uniform static test, forced entry test)<br>TAS 203 (cyclic wind pressure loading) |
| Excel Polymers, LLC.<br>Burton, OH | *61787* | 7/25/07 | ASTM C 864 (EPDM rubber, seal gaskets, setting blocks, and spacers, 60 duro) |
| Excel Polymers, LLC.<br>Burton, OH | *74326* | 4/26/11 | ASTM C 864 (EPDM rubber, seal gaskets, setting blocks, and spacers, 70 duro) |
| QAI LAB<br>Medley, FL33166 | *MED-2083A*<br>*Signed and sealed by Idalmis Ortega.* | 09/17/2024 | ASTM E283 (air infiltration, exterior curtain walls)<br>ASTM E331 (water resistance)<br>ASTM F842 (forced entry test)<br>TAS 201 (small missile impact test)<br>TAS 203 (cyclic wind pressure loading)<br>TAS 202 (static test)<br>ANSI Z97.1 (ANSI drop test) |
| QAI LAB<br>Medley, FL33166 | *MED-2083A*<br>*Signed and sealed by Idalmis Ortega.* | 11/13/2024 | ASTM E283 (air infiltration, exterior curtain walls)<br>ASTM E331 (water resistance)<br>ASTM F842 (forced entry test)<br>TAS 201 (large missile impact test)<br>TAS 203 (cyclic wind pressure loading)<br>TAS 202 (static test)<br>ANSI Z97.1 (ANSI drop test) |

**Engineering Analysis:** The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- No rational analysis has been performed.
- Anchor calculations are based on manufacturer's published anchor capacity, anchor Notice of Acceptance by Miami Dade County.

October 15th, 2025