



# **NATIONAL CERTIFIED TESTING LABORATORIES**

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## **PRODUCT EVALUATION**

### ***Aspect/Endure Fixed Window***

REPORT TO:

**PROVIA LLC  
2150 STATE ROUTE 39  
SUGARCREEK, OHIO 44681**

REPORT NUMBER: NCTL-110-24425-10  
REPORT DATE: 07/29/21

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Joseph A. Reed, PE  
FL PE 58920  
FL REG 33474



**Subject:** Aspect/Endure Fixed Window  
ProVia LLC  
2150 State Route 39  
Sugarcreek, Ohio 44681

**Scope:** Product Evaluation per Chapter 61G20-3.005(1)(d) Florida Administrative Code, Evaluation report from a Florida Registered Architect or a Licensed Florida Professional Engineer.

**Building Code Compliance:** This product has demonstrated compliance with the Florida Building Code, Building, 7<sup>th</sup> Edition (2020):  
§1709.5 Exterior window and door assemblies  
§2404 Wind, Snow, Seismic and Dead Loads on Glass

**Performance Standards:** AAMA/WDMA/CSA 101/I.S.2/A440-11  
ASTM E1300-12ae1

**Product Description:** Window Frame Extruded Rigid Poly (Vinyl Chloride) (PVC)  
Miter-cut corners and thermally welded.

Glazing Validate Glazing with ASTM E1300

Glazing Type	Glazing Construction
G1 (Insulating Glass)	3/16" Annealed to Exterior 3/16" Annealed to Interior
G2 (Insulating Glass)	1/8" Annealed to Exterior 1/8" Annealed to Interior

Interior glazed against double-sided adhesive tape and secured with rigid vinyl glazing bead. 1/2" bite.

Anchorage Various anchorages (see *Installation*)

For additional product information see Appendix A.



- Installation:**
- Wood: Minimum Spruce-Pine-Fir 2x (G = 0.42).  
#8 Wood Screw (Shall conform to ANSI/ASME B18.6.1 and be corrosion resistant).
  - Steel Stud: Minimum 18 gauge (0.043" thick) 33 KSI steel stud.  
#10-16 TEKS screw (see ICC ESR 1976).
  - Aluminum: Minimum 0.093" thick 6063-T5 aluminum.  
#10-16 TEKS screw (see ICC ESR 1976).
  - Concrete: Minimum  $f_c = 3,000$  psi.  
3/16" ITW Tapcon with Advanced Threadform Technology  
Concrete and Masonry Anchors (see NOA 16-1222.06).
  - Concrete Masonry: ASTM C90, minimum  $f_m = 1,500$  psi.  
3/16" ITW Tapcon with Advanced Threadform Technology  
Concrete and Masonry Anchors (see NOA 16-1222.06).

Installation shall follow manufacturer's instructions, product approvals and the referenced installation drawings.

**Limitations of Use:**

<b>Product</b>	<b>Maximum Design Pressures</b>	<b>Impact Resistance</b>	<b>Maximum Overall Size</b>	<b>Maximum Glazing Size</b>
<i>Aspect/Endure</i> Fixed Window (Glazing Type G1)	+65/-65 psf	N/A	72" x 75"	67" x 69"
<i>Aspect/Endure</i> Fixed Window (Glazing Type G2)	+50/-50 psf	N/A	60" x 63"	55" x 58"

Products have not been tested for windborne debris resistance and will require protective devices (i.e. shutters) if installed in a windborne debris region.

Products are not approved for use in High Velocity Hurricane Zone (HVHZ).



**Supporting Evidence:** Test Report D9601.04-501-47 (AAMA/WDMA/CSA 101/I.S.2/A440-11)  
Revision -, 02/19/16  
Intertek. Springdale, Pennsylvania (TST7110)

Calculation Report NCTL-110-24425-9  
Revision -, 07/29/21  
Joseph A. Reed, PE (FL PE 58920)

**Certification of Independence:** In accordance with Rule 61G20-3 Florida Administrative Code, National Certified Testing Laboratories hereby certifies the following:

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**Reference Drawings:** *Aspect/Endure Fixed*. Drawing 24425-1-1005. Revision -, 07/29/21.

### Revision Log

<u>Identification</u>	<u>Date</u>	<u>Page &amp; Revision</u>
Original Issue	07/29/21	Not Applicable



## Appendix A – Detailed Product Description

**Glazing Details:** Interior glazed against double-sided adhesive tape and secured with rigid vinyl glazing bead. 1/2" bite.

**Weatherstripping:** None

**Frame Construction:** Extruded Rigid Poly (Vinyl Chloride) (PVC). Miter-cut corners and thermally welded.

**Drainage:** 1-1/8"x3/16" weep slot at sill exterior face; one each end.  
1/2"x1/8" weep slot at glazing pocket; one each end.

**Hardware:** None

**Reinforcement:** None