



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 21835

Date: 07/31/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC

Manufacturer Address: 3550 NW 49 STREET. MIAMI, FL 33142

Model Name: SERIES ES-46T THERMAL ALUMINUM OUTSWING ENTRANCE DOOR

Maximum Load: +100 PSF, -120 PSF (Large Missile Impact)

Installation Drawings # W17-07

This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.					
For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.					
Comparative analysis used <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)					
Test	Description	Test Location	Test Report Date	Test Report #	Test Sealed By
ASTM E283	Air Infiltration Leakage	Fenestration Testing Laboratory, Inc	8/4/2015 5/2/2018 1/9/2018 2/5/2021	FTL-8179 FTL-7361 FTL-8597 FTL-12233	Idalmis Ortega, P.E.
		Blackwater Testing, Inc	6/12/2018	BT-ESW-18-005	Constantin Bortes, P.E.
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc	8/4/2015 5/2/2018 1/9/2018 2/5/2021	FTL-8179 FTL-7361 FTL-8597 FTL-12233	Idalmis Ortega, P.E.
		Blackwater Testing, Inc	6/12/2018	BT-ESW-18-005	Constantin Bortes, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc	8/4/2015 5/2/2018 1/9/2018 2/5/2021	FTL-8179 FTL-7361 FTL-8597 FTL-12233	Idalmis Ortega, P.E.
		Blackwater Testing, Inc	6/12/2018	BT-ESW-18-005	Constantin Bortes, P.E.
ASTM 1304	Forced Entry Test	Fenestration Testing Laboratory, Inc	8/4/2015 5/2/2018 1/9/2018 2/5/2021	FTL-8179 FTL-7361 FTL-8597 FTL-12233	Idalmis Ortega, P.E.
		Blackwater Testing, Inc	6/12/2018	BT-ESW-18-005	Constantin Bortes, P.E.

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

Test	Description	Test Location	Test Report Date	Test Report#	Test Sealed By
FBC 1626.2 (TAS 201 & 203)	Large Missile Impact & Cyclic	Fenestration Testing Laboratory, Inc	8/4/2015	FTL-8179	Idalmis Ortega, P.E.
			5/2/2018	FTL-7361	
			1/9/2018	FTL-8597	
			2/5/2021	FTL-12233	
		Blackwater Testing, Inc	6/12/2018	BT-ESW-18-005	Constantin Bortes, P.E.

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code.

Evaluation Report Engineer:

Jalal Farooq PE # 81223
 Al-Farooq Corporation EB # 3538



Sealed: 8/1/2023