

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 34706

Date: 07/26/2023

Detailed Product Description:

Manufacturer: MARVIN WINDOWS & DOORS

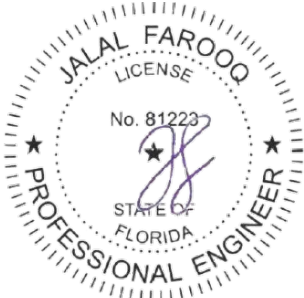
Manufacturer Address: PO Box 100, 401 State Ave N, Warroad, MN 56763

Model Name: Coastline Direct Glaze Narrow Frame IZ4

Maximum Load: +90.0 PSF, -130.0 PSF (Large Missile Impact)

Installation Drawings # 20-81F

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 ☒ Yes ☐ 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	American Test Lab of South Florida	6/9/2010	ATLSF-0525.01-10	Julio Gonzalez, PE
		Blackwater Testing Inc.	9/26/2014 3/24/2020	BT-SIW-14-017A BT-SIW-19-007	Yamil Gerardo Kuri, PE Michael Caldwell, PE
		Hurricane Engineering & Testing	1/15/2007 4/9/2007	HETI-07-4110 HETI-07-4114	Rafael E. Dooz-Seda, PE
ASTM E331 OR ASTM E547 & TAS 202	Water Penetration	American Test Lab of South Florida	6/9/2010	ATLSF-0525.01-10	Julio Gonzalez, PE
		Blackwater Testing Inc.	9/26/2014 3/24/2020	BT-SIW-14-017A BT-SIW-19-007	Yamil Gerardo Kuri, PE Michael Caldwell, PE
		Hurricane Engineering & Testing	1/15/2007 4/9/2007	HETI-07-4110 HETI-07-4114	Rafael E. Dooz-Seda, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	American Test Lab of South Florida	6/9/2010	ATLSF-0525.01-10	Julio Gonzalez, PE
		Blackwater Testing Inc.	9/26/2014 3/24/2020	BT-SIW-14-017A BT-SIW-19-007	Yamil Gerardo Kuri, PE Michael Caldwell, PE
		Hurricane Engineering & Testing	1/15/2007 4/9/2007	HETI-07-4110 HETI-07-4114	Rafael E. Dooz-Seda, PE
ASTM F588	Forced Entry	Blackwater Testing Inc.	3/24/2020	BT-SIW-19-007	Michael Caldwell, PE

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	American Test Lab of South Florida	6/9/2010	ATLSF-0525.01-10	Julio Gonzalez, PE
ASTM E1886/1996		Blackwater Testing Inc.	9/26/2014 3/24/2020	BT-SIW-14-017B BT-SIW-19-007	Yamil Gerardo Kuri, PE Michael Caldwell, PE
ANSI Z97.1			1/25/2007 4/9/2007 4/9/2007 4/9/2007	HETI-07-4111 HETI-07-4112 HETI-07-4113 HETI-07-4115	Rafael E. Dooz-Seda, PE
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 Al-Farooq Corporation		PE # 81223 EB # 3538	Sealed: 7/26/2023		