BUILDING DROPS
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Product Evaluation Report

of

Brombal Italy
Series Faro & Alfa Profiles
Mullion Stiffeners
(WZ3) (Impact)

for

Florida Product Approval

FL# FL21041

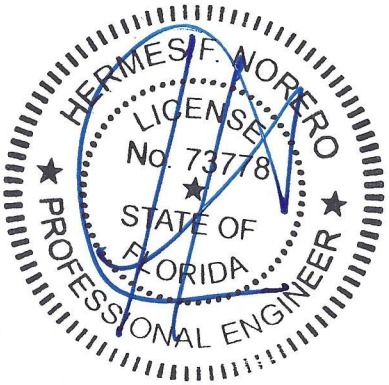
Report No. 8168

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Windows**
Sub – Category:	**Mullions**
Product:	**Series Faro & Alfa Mullion Stiffeners**
Materials:	**S235JRC Carbon Steel**
	AISI 304/316 Stainless Steel

Prepared for:
Brombal Italy
Via Valla' 24
31030 Altivole Italy

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/14/2022



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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.10.17 15:22:48 -04'00'

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

Manufacturer: **Brombal Italy**

Product Category: Windows

Product Sub-Category: Mullions

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

Product Name: **Series Faro & Alfa Mullion Stiffeners (WZ3) (Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Brombal Italy** 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 Florida Building Code.

See Installation Instructions **BRB007**, 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 Florida Building Code, **excluding** 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 Florida Building Code and **does not require** an impact resistant covering in Wind Zones 3 or less. Approved impact resistant system **is required** in Wind Zone 4.
4. Site conditions that deviate from the details of installation instructions **BRB007** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **BRB007** 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 **Keystone Certifications Inc.** (FBC Organization #: QUA1824).

Performance Standards: The product described herein has been evaluated per:

- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E1886-13
- ASTM E1996-14

Referenced Data:

1. Product Testing performed by **Certified Testing Laboratories**
   (FBC Organization # TST1577)

Report #:	Report Date:
CTLA 3003W	09/30/15
CTLA 3003W-1	09/30/15

   TAS Reports signed and sealed by: Ramesh Patel, FL PE No. 20224

2. Quality Assurance
   Keystone Certifications Inc.
   (FBC Organization #: QUA1824)

Installation:

Refer to Installation Instructions (**BRB007**) for anchor types, spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**BRB007**) for design pressures based on mullion size, window/door sizes, and configurations.

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