TDI | Texas Department of Insurance

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Product Evaluation

DR1238 | 0522

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-1238

Effective Date: May 1, 2022
Re-evaluation Date: May 2026

Product Name: Euro-C3 Aluminum Bifold Door System, Impact Resistant

Manufacturer: Euro-Wall Systems, LLC
2200 Murphy Court
North Port, FL 34289
(941) 218-7476

General Description: The Euro-C3 aluminum bifold door system is used for commercial installation. This evaluation report includes the following assemblies:

- Inswing Bifold Doors
- Outswing Bifold Doors

Product Identification: A Euro Wall Systems, LLC label will be affixed to the door assembly. The label includes the manufacturer's name (Euro-Wall); the product name (C-3 Folding Door); the Maximum DP and Dimension is per drawing #EWS022; the test standards (ASTM E1886-13a, ASTM E1996-14a/17, ASTM E 330-14); and the Missile Level (Level D).

Limitations:

Design Drawings: The door assemblies must comply with and be installed in accordance with the following design drawings:

Drawing No. EWS022, titled "Euro-Wal Systems Euro-C3 Bifold Aluminum Door System (Impact);" Sheets 1 thru 8 of 8; dated January 31, 2022; signed and sealed by Hermes F. Norero, P.E. on April 22, 2022. This evaluation report refers to the stated drawing as the approved drawing.

Fabrication and Assembly: Euro Wall Systems, LLC door systems are fabricated in the factory. The aluminum door system is assembled and glazed at the jobsite. The approved drawings referenced in this evaluation report indicate the options for the glazing construction.

Hardware: Requirements for door hardware are specified on the approved drawings.

Design Pressure (DP): The aluminum door system has a maximum design pressure rating of +100 / -100 psf. Refer to the approved drawings for specific design pressure requirements.

Door Panel Configurations: Acceptable panel configurations are shown on the approved drawings.

Impact Resistance: The door systems satisfy TDI's criteria for protection from windborne debris. These assembly passed Missile Level D specified in ASTM E1996-14a. Install the assembly at any height on the structure that does not exceed the assembly's design pressure rating. For essential facilities, the assembly may not be installed below a height of 30 feet in Wind Zone 3 and may be installed at all heights in Wind Zone 2 as defined in ASTM E 1996-14a.

Installation Instructions:

General: Prepare and install the assembly in accordance with Euro Wall Systems, LLC's installation instructions and the approved drawing specified in this report. Detailed installation instructions are available from Euro Wall Systems, LLC.

Wall Framing Construction: The door systems may be mounted to several types of wall framing construction. The types of wall framing constructions allowed include:

- Concrete (minimum compressive strength: 2,000 psi)
- Wood (minimum specific gravity, SG=0.42)
- Steel (minimum 18-gauge, Fy=33 ksi)
- Aluminum (minimum 1/8" thick, 6063-T5)

Refer to the appropriate design drawing for specific wall construction requirements.

Fastener Requirements:
Refer to the approved drawing for anchor layout and notes.

Refer to the approved drawing for the minimum embedment depths for the fasteners and the minimum edge distanced (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.