TDI | Texas Department of Insurance

PO Box 149104 | Austin, TX 78714 | 1-800-578-4677 | tdi.texas.gov

Product Evaluation

WIN2569 | 0221 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: WIN-2569

Effective Date: February 1, 2021
Re-evaluation Date: February 2025

Product Name: Series ZS-2750 Project Out Aluminum Window System, Impact Resistant

Manufacturer: Oldcastle BuildingEnvelope
803 Airport Rd.
Terrell, TX 75160
(972) 551-6295

General Description:
The Series ZS-2750 is an aluminum frame project-out window system used for commercial installations.

Product Identification: An Oldcastle BuildingEnvelope label will be affixed to the window assembly. The label includes the manufacturer's name (Oldcastle Building Envelope); the product name (ZS-2750 Project Out Aluminum Window); that the design pressure and dimensions are per drawing 20-236; and that the product complies with TAS 201-94, TAS 202-94, TAS 203-94; Large Missile Impact Rated

Limitations:
Design Drawings: The window assembly must comply and be installed in accordance with the following design drawing:

Drawing No. 20-236, "Series ZS-2750 Project Out Aluminum Window System Large Missile Impact Resistant," Sheets 1 thru 4 of 4, dated August 4, 2020, Rev. 1, dated January 15, 2021; signed and

sealed by Walter A. Tillit, Jr, P.E on January 15, 2021. This evaluation report refers to the stated drawings as the approved drawings.

Fabrication and Assembly: Oldcastle BuildingEnvelope Series ZS-2750 aluminum project out window systems are fabricated in the factory. The window systems are assembled and glazed at the jobsite. The approved drawings referenced in this evaluation report indicate the options for the glazing construction.

Design Pressure (DP): The window system has a maximum design pressure rating of +60 psf / -60 psf. Refer to the approved drawing for specific design pressure requirements.

Impact Resistance: The window system satisfies TDI's criteria for protection from windborne debris. These assemblies passed an impact criteria equivalent to Missile Level D specified in ASTM E 1996. Install these assemblies at any height on the structure that does not exceed the assembly's design pressure rating. These assemblies do not require protection with an impact protective system when installed in areas that require windborne debris protection.

Acceptance of Other Assemblies:

- The approved drawings specify the limitations on overall height and width.
- Assemblies must not exceed the width and height shown on the approved drawings.

Installation Instructions:
General: Detailed installation instructions are available from Oldcastle BuildingEnvelope.

Installation:
Wall Framing Construction: The window system may be mounted to the following types of wall framing construction.

- steel (minimum 1/8" thick, Fy=36 ksi)
- aluminum (minimum 1/8" thick, 6063-T6 alloy)

Fastener Requirements:

- Refer to the approved drawings for the anchor layout and notes.
- Refer to the approved drawings for the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

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