



Product Evaluation

WIN2070 | 0316

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-2070

Effective Date: March 1, 2016

Re-evaluation Date: October 2017

Product Name: Kona 3800 Aluminum Casement and Awning Windows, Impact Resistant

Manufacturer: Fleetwood Windows and Doors
1 Fleetwood Way
Corona, CA 92879
(800) 736-7363

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|---|--------------------------------------|------------------------|
| 1 | Kona 3800 Aluminum Casement and Awning Windows; O/X/O | LC-PG65 42x180-AP Missile Level D | +65 / -65 psf |
| 2 | Kona 3800 Aluminum Casement and Awning Windows; X/O/X | LC-PG65 42x180-AP Missile Level D | +65 / -65 psf |

Product Dimensions:

| System | Overall Size | Fixed Casement Daylight Opening Size (Maximum) | Operable Sash Daylight Opening Size (Maximum) |
|--------|--------------|--|---|
| 1 | 42" x 180" | 39-1/16" x 81-5/8" | 33-1/8" x 76-1/16" |
| 2 | 42" x 180" | 39-1/16" x 81-5/8" | 33-1/8" x 37-7/8" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|--|
| 1, 2 | Certification Agency | NAMI |
| | Manufacturer's Name or Code Name | Fleetwood Windows & Doors |
| | Product Name | Kona 3800 Casement/Awning |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-05, ASTM E 1996-06 Missile Level D |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1, 2 | Yes | These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies |

Installation (One of the following):

Systems 1 and 2 (Frame Installation): Use minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing using the frame of the assembly with minimum No. 10 x 2" PPH wood screws. Along the head, locate the fasteners approximately 6" from each corner and one at the mid span. Along the side jambs, locate the fasteners approximately 6" from each corner, 6" above and below the centerline of each intermediate jamb, and 16" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

Systems 1 and 2 (Fin Installation): Use minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing using the nail fin of the assembly with minimum No. 10 x 1/2" PPH wood screws. Along the head, locate the fasteners approximately 6" from each corner and one at the mid span. Along the side jambs, locate the fasteners approximately 6" from each corner, 3" and 6" above and below the centerline of each intermediate jamb, and 16" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

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