

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
 WIN-1574

Effective Date: April 1, 2012
 Reevaluation Date: **July 2015**

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.

Aluminum Clad Wood Direct Set Fixed Windows, Non-impact Resistant, manufactured by

Pella Corporation
 102 Main Street
 Pella, Iowa 50219
 Telephone: (641) 621-1000

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|---|---|------------------------|
| 1 | Aluminum Clad Wood Direct Set Fixed Window; (O) | F-HC90 60 x 60 ¹ FW-HC90 60 x 60 ¹ | ± 90 psf |
| 2 | Aluminum Clad Wood Direct Set Fixed Window; (O) | F-HC60 72 x 120 ¹ FW-HC60 72 x 120 ¹ | ± 60 psf |
| 3 | Aluminum Clad Wood Direct Set Fixed Window; (O) | F-HC60 85 x 101 ¹ FW-HC60 85 x 101 ¹ | ± 60 psf |

Note: ¹ AW rating obtained with EnduraClad Plus 70% fluoropolymer-based multi-step finish

Product Dimensions:

| System | Overall Size |
|--------|--------------------|
| 1 | 60" x 60" |
| 2 | 72" x 120" |
| 3 | 100 3/4" x 85 1/8" |

Product Identification (Certification Agency Label on Window):

| System | Certification Agency | WDMA |
|---------|----------------------------------|--|
| 1 and 3 | Manufacturer's Name or Code Name | Pella Corporation |
| | Product Name | Fixed Frame |
| | Test Standards | ANSI/AAMA/NWWDA 101/I.S.2-97; AAMA/WDMA/CSA 101/I.S.2/A440-05 |

Product Identification (Certification Agency Label on Window) - continued:

| System | | |
|--------|----------------------------------|--|
| 2 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Pella Corporation |
| | Product Name | Large Clad Frame |
| | Test Standards | ANSI/AAMA/NWWDA 101/I.S.2-97; AAMA/WDMA/CSA 101/I.S.2/A440-05 |

Impact Resistance:

| Impact Resistant | Requirement |
|------------------|--|
| No | Impact protective system required when product is installed in areas where windborne debris protection is required |

Installation:

Systems 1 and 3: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing utilizing the window frame with minimum No. 10 x 3 1/2" screws. The fasteners shall be spaced approximately 6 inches from each corner and approximately 10 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing.

System 2: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing utilizing the window frame with minimum 2" x 6" x 0.050" galvanized steel clips. Each clip is bent 90 degrees to wrap the end of the clip around the interior face of the test frame. The clips shall be spaced approximately 6 inches from each corner and approximately 10 inches on center along the perimeter of the window. The clips are secured to the window frame with two (2) minimum No. 6 x 5/8" screws and are secured to the wall framing with two (2) minimum No. 6 screws. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC) and the Texas Revisions.