

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
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## PRODUCT EVALUATION

WIN-106

Effective Date: July 1, 2013

Reevaluation Date: **October 2014**

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.

**Series 200 Vinyl Single Hung Windows, Individual and Mulled, New and Replacement Construction, Non-Impact Resistant,** manufactured by

**Showcase Custom Vinyl Windows and Doors**

**A product of ENLIGHT Industries, LLC**

**1702 Cullen Blvd**

**Houston, Texas 77023**

**Telephone: (713) 926-8500**

### General Description:

| System | Description                                     | Label Rating  | Design Pressure Rating |
|--------|---|---------------|------------------------|
| 1      | Series 200 Vinyl Single Hung Window; Individual | H-R50 38 x 83 | ± 50 psf               |
| 2      | Series 200 Vinyl Single Hung Window; Individual | H-R60 36 x 84 | ± 60 psf               |
| 3      | Series 200 Vinyl Twin Tilt Single Hung Window   | H-R40 71 x 62 | ± 40 psf               |

### Product Dimensions:

| System | Overall Size    | Operable Sash Size   | Fixed Daylight Opening Size |
|--------|-----------------|----------------------|-----------------------------|
| 1      | 37.50" x 83.38" | 35.50" x 42".00"     | 33.00" x 38.75"             |
| 2      | 36.00" x 84.00" | 34.00" x 34.94"      | 31.50" x 44.88"             |
| 3      | 71.13" x 61.50" | Two: 33.50" x 30.00" | Two: 30.75" x 27.25"        |

### Product Identification:

| System |                                  |                                 |
|--------|----------------------------------|---------------------------------|
| 1      | Certification Agency             | Keystone                        |
|        | Manufacturer's Name or Code Name | 839-310                         |
|        | Product Name                     | 200/275 PVC Tilt Single Hung    |
|        | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-05 |
| 2      | Certification Agency             | Keystone                        |
|        | Manufacturer's Name or Code Name | 839-303                         |
|        | Product Name                     | 200 PVC Single Hung             |
|        | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-05 |

**Product Identification (Continued):**

| System |                                  |   |
|--------|----------------------------------|---|
| 3      | Certification Agency             | Keystone                                      |
|        | Manufacturer's Name or Code Name | 839-307                                       |
|        | Product Name                     | 200 PVC Twin Tilt Single Hung Mulled assembly |
|        | Test Standards                   | 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:**

| System |                           |  |
|--------|---------------------------|--|
| 1, 3   | Type of Installation      | New Construction – Nailing Fin   |
|        | Wall Framing              | Spruce-Pine-Fir  |
|        | Fasteners                 | Minimum No. 8 Screws or<br>Minimum 2 3/8" x 0.120 smooth shank nails   |
|        | Fastener Location/Spacing | Approximately 2 inches from each corner and approximately 12 inches on center along the perimeter                          |
|        | Fastener Penetration      | Minimum of 1 1/2 inches into the wall framing members  |
| 2      | Type of Installation      | New Construction – Nailing Fin   |
|        | Wall Framing              | Spruce-Pine-Fir  |
|        | Fasteners                 | Minimum No. 8 Screws   |
|        | Fastener Location/Spacing | Approximately 2 inches from each corner and approximately 12 inches on center along the perimeter                          |
|        | Fastener Penetration      | Minimum of 1 1/2 inches into the wall framing members  |
| 3      | Type of Installation      | Replacement Construction   |
|        | Wall Framing              | Spruce-Pine-Fir  |
|        | Fasteners                 | Minimum No. 10 x 2 1/2" Screws   |
|        | Fastener Location/Spacing | <u>Head:</u> Four (4) fasteners, evenly spaced<br><u>Side Jamb:</u> Six (6) fasteners, evenly spaced<br><u>Sill:</u> None. |
|        | Fastener Penetration      | Minimum of 1 1/2 inches into the wall framing members  |

**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), the International Building Code (IBC), and the Texas Revisions.