

## Product Evaluation

WIN2079 | 0122

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-2079

**Effective Date:** January 1, 2022

**Re-evaluation Date:** November 2024

**Product Name:** Series 450 Vinyl Single Hung Windows, Individual and Twin, Fin and Frame Installation, Non-Impact Resistant

**Manufacturer:** Legacy Vinyl Windows, L.P.  
1813 Kelly Blvd.  
Carrollton, TX 75006  
(214) 237-5055

### General Description:

| System | Description   | Label Rating     | Design Pressure Rating |
|--------|---|------------------|------------------------|
| 1      | Series 450 Vinyl Single Hung Windows; Fin Install     | R-PG40 44 x 72-H | +40 / -40 psf          |
| 2      | Series 450 Vinyl Single Hung Windows; Fin Install     | R-PG50 36 x 72-H | +50 / -50 psf          |
| 3      | Series 450 Vinyl Single Hung Windows; Finless Install | R-PG50 36 x 72-H | +50 / -50 psf          |
| 4      | Series 450 Vinyl Single Hung Windows; Fin Install     | R-PG50 36 x 84-H | +50 / -50 psf          |
| 5      | Series 450 Vinyl Single Hung Windows; Fin Install     | R-PG30 48 x 84-H | +30 / -30 psf          |

**General Description (Continued):**

| System | Description  | Label Rating     | Design Pressure Rating |
|--------|--|------------------|------------------------|
| 6      | Series 450 Vinyl Single Hung Windows; Twin; CHS; Fin Install     | R-PG50 72 x 72-H | +50 / -50 psf          |
| 7      | Series 450 Vinyl Single Hung Windows; Twin; CHS; Finless Install | R-PG50 72 x 72-H | +50 / -50 psf          |

**Product Dimensions:**

| System | Overall Size      | Sash Size         | Fixed Glass Daylight Opening Size |
|--------|-------------------|-------------------|-----------------------------------|
| 1      | 43-1/2" x 71-1/2" | 41-1/4" x 34-3/8" | 39" x 32-3/8"                     |
| 2, 3   | 35-1/2" x 71-1/2" | 33-1/4" x 35-7/8" | 31" x 33-7/16"                    |
| 4      | 35-1/2" x 83-1/2" | 33-1/4" x 28-3/4" | 31" x 50-1/2"                     |
| 5      | 47-1/2" x 83-1/2" | 45-3/8" x 40-7/8" | 43" x 38-3/8"                     |
| 6      | 71-1/2" x 71-1/2" | 33-1/4" x 35-7/8" | 30-7/8" x 32-5/16"                |
| 7      | 71-1/2" x 71-1/2" | 33-1/4" x 35-7/8" | 32-1/8" x 31-1/8"                 |

**Product Identification (Certification Label on Window):**

| System  |                                  |                                 |
|---------|----------------------------------|---------------------------------|
| 1, 4, 5 | Certification Agency             | AAMA                            |
|         | Manufacturer's Name or Code Name | LVW-1                           |
|         | Product Name                     | Series 450 TILT SH              |
|         | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-11 |
| 2       | Certification Agency             | AAMA                            |
|         | Manufacturer's Name or Code Name | LVW-1                           |
|         | Product Name                     | Series 450 SH (FIN)             |
|         | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-11 |
| 3       | Certification Agency             | AAMA                            |
|         | Manufacturer's Name or Code Name | LVW-1                           |
|         | Product Name                     | Series 450 SH (FINLESS)         |
|         | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-11 |
| 6       | Certification Agency             | AAMA                            |
|         | Manufacturer's Name or Code Name | LVW-1                           |
|         | Product Name                     | Series 450 Twin Tilt SH (FIN)   |
|         | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-11 |

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

| System |                                  |                                   |
|--------|----------------------------------|-----------------------------------|
| 7      | Certification Agency             | AAMA                              |
|        | Manufacturer's Name or Code Name | LVW-1                             |
|        | Product Name                     | Series 450 Twin Tilt SH (FINLESS) |
|        | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-11   |

**Impact Resistance:**

| System | Impact Resistant | Requirement  |
|--------|------------------|--|
| 1-7    | No               | Provide an impact protective system when installing the product in areas that require windborne debris protection. |

**Installation:**

| System        |                           |  |
|---------------|---------------------------|--|
| 1, 2, 4, 5, 6 | Type of Installation      | Fin Installation   |
|               | Wall Framing              | Spruce-Pine-Fir dimension lumber   |
|               | Fasteners                 | Minimum No. 8 wood screws  |
|               | Fastener Location/Spacing | Locate fasteners approximately 2" from each corner and 12" on center along the perimeter of the window   |
|               | Fastener Penetration      | Minimum 1-1/2" into the wall framing   |
| 3             | Type of Installation      | Frame Installation   |
|               | Wall Framing              | Spruce-Pine-Fir dimension lumber   |
|               | Fasteners                 | Minimum No. 8 wood screws  |
|               | Fastener Location/Spacing | Side Jambs: Locate fasteners approximately 5" from each corner and 20" on center.<br>Head: Locate fasteners approximately 5" from each corner and one at the mid span.   |
|               | Fastener Penetration      | Minimum 1-1/2" into the wall framing   |
| 7             | Type of Installation      | Frame Installation   |
|               | Wall Framing              | Spruce-Pine-Fir dimension lumber   |
|               | Fasteners                 | Minimum No. 8 wood screws  |
|               | Fastener Location/Spacing | Head & Side Jambs: Locate fasteners approximately 5" from each corner and 20" on center.<br>Sill: Locate fasteners approximately 5" from each corner and one at the mid span.<br>Mullion: A 4.255" x 1.250" x 0.060" 60601-T6 aluminum strap is used to secure the mullion at the sill to the wall framing. Secure strap to mullion with one (1) No. 8 x 1-1/2" truss head screw. Secure the strap to the wall framing with two (2) No. 8 pan head screws. |
|               | Fastener Penetration      | Minimum 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 and the IBC.