



# Product Evaluation

WIN1213 | 0916

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-1213

**Effective Date:** September 1, 2016

**Re-evaluation Date:** January 2017

**Product Name:** Series 43-40 Vinyl Double Hung Tilt Windows, Replacement Construction, Non-impact Resistant

**Manufacturer:** Simonton Building Products, Inc.  
3948 Townsfair Way Suite 200  
Columbus, Ohio 43219  
Telephone: (800) 426-2249

Also marketed under the following names:

Reflections 5050

Reflections 5300

Prism Bronze

Prism Ultra Gold

Vantage Pointe 6100

Grand Estates View

Grand Estates Plus Select

## General Description:

| System | Description   | Label Rating     | Design Pressure Rating |
|--------|---|------------------|------------------------|
| 1      | Series 43-40 Vinyl Double Hung Windows; Finless; (X/X)      | H-R50 32 x 62    | ± 50 psf               |
| 2      | Series 43-40 Vinyl Double Hung Tilt Windows; Finless; (X/X) | R-PG45 36 x 63-H | ± 45 psf               |
| 3      | Series 43-40 Vinyl Double Hung Tilt Windows; Finless; (X/X) | R-PG30 36 x 72-H | ± 30 psf               |

**General Description (continued):**

| System | Description   | Label Rating     | Design Pressure Rating |
|--------|---|------------------|------------------------|
| 4      | Series 43-40 Vinyl Double Hung Tilt Windows; Aluminum-Reinforced Upper and Lower Sash Stiles and Rails; Finless; (X/X)    | R-PG50 36 x 74-H | ± 50 psf               |
| 5      | Series 43-40 Vinyl Double Hung Tilt Windows; Finless; (X/X)   | H-R35 44 x 63    | ± 35 psf               |
| 6      | Series 43-40 Vinyl Double Hung Tilt Windows; Aluminum-Reinforced Upper and Lower Sash Stiles and Rails; Finless; (X/X)    | R-PG45 44 x 63-H | ± 45 psf               |
| 7      | Series 43-40 Vinyl Double Hung Tilt Windows; Aluminum-Reinforced Upper and Lower Sash Stiles and Rails; Finless; (X/X)    | R-PG35 48 x 80-H | ± 35 psf               |
| 8      | Series 43-40 Vinyl Double Hung Tilt Windows; E9 Aluminum-Reinforced Upper and Lower Sash Stiles and Rails; Finless; (X/X) | R-PG35 52 x 71-H | ± 35 psf               |

**Product Dimensions:**

| System | Overall Size    | Exterior Sash Size | Interior Sash Size |
|--------|-----------------|--------------------|--------------------|
| 1      | 32" x 62"       | 28" x 29-5/8"      | 29.00" x 30.63"    |
| 2      | 36.00" x 63.00" | 32.00" x 30.13"    | 33.00" x 31.13"    |
| 3      | 36" x 72"       | 32" x 30-1/8"      | 33" x 31-1/8"      |
| 4      | 36.00" x 74.00" | 32.00" x 35.63"    | 33.00" x 36.63"    |
| 5      | 44.00" x 63.00" | 40.00" x 30.13"    | 41.00" x 31.13"    |
| 6      | 44.00" x 63.00" | 40.00" x 32.13"    | 41.00" x 31.13"    |
| 7      | 48.00" x 80.00" | 44.00" x 38.63"    | 45.00" x 39.63"    |
| 8      | 52.00" x 71.00" | 48.00" x 34.13"    | 49.00" x 35.13"    |

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

| System           |                                  |                                 |
|------------------|----------------------------------|---------------------------------|
| 1, 5             | Certification Agency             | AAMA                            |
|                  | Manufacturer's Name or Code Name | SIM-1 or SIM-2                  |
|                  | Product Name                     | 43-40 DH                        |
|                  | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-05 |
| 2, 3, 4, 6, 7, 8 | Certification Agency             | AAMA                            |
|                  | Manufacturer's Name or Code Name | SIM-1 or SIM-2                  |
|                  | Product Name                     | 43-40 DH                        |
|                  | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-08 |

**Impact Resistance:**

| System | Impact Resistant | Requirement  |
|--------|------------------|--|
| 1-8    | No               | Provide an impact protective system when installing the product in areas that require windborne debris protection. |

**Installation:**

The window must be fastened to minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing using the frame of the window with minimum No. 8 x 2-1/2" screws. Along each side jamb, the fasteners are located approximately 6" from each end. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**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.