Simonton Impact Resistant Horizontal Slider Series 42-19 Vinyl Window

**MODEL DESIGNATION:**
Simonton Impact Resistant Horizontal Slider Series 42-19 Vinyl Window

**MAXIMUM OVERALL NOMINAL SIZE:**
Single up to 60" x 52"

**DESIGN PRESSURE RATING:**
Positive: 50.0 PSF
Negative: 50.0 PSF

**USABLE CONFIGURATIONS:**
XX

**GENERAL DESCRIPTION:**
The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070".

**TABLE 1: FIN INSTALLATION FASTENERS TABLE**

<table>
<thead>
<tr>
<th>ID</th>
<th>SUBSTRATE TYPE</th>
<th>ANCHOR TYPE</th>
<th>MIN. EMBED.</th>
<th>MIN. EDGE DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2X MIN. SOUTHERN PINE WOOD (G=0.55)</td>
<td>#6 WOOD SCREW</td>
<td>1&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

**MATERIAL:**
This document is the property of Simonton Windows, which retains all proprietary and other rights to its subject matter. This document is provided to the recipient on the express condition that it is not to be disclosed, reproduced in whole or part, nor used in conjunction with the design, manufacture or repair of goods for anyone other than Simonton Windows without its consent. This restriction does not limit the recipient's rights to utilize information contained in this document which is properly obtained from another source.
Table 2: 1X Installation Fasteners Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Substrate Type</th>
<th>Anchor Type</th>
<th>Min. Embed</th>
<th>Min. Edge Dist.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Concrete (2.85 ksi min.)</td>
<td>3/16&quot; ECO Ultraco 1</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>B</td>
<td>Hollow or Grout-Filled CMU (ASTM C90)</td>
<td>3/16&quot; ECO Ultraco 1</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>C</td>
<td>1/8&quot; Alum. 6000-75 min. or 1/8&quot; Steel 36 ksi min.</td>
<td>10/32 Grade 5 Self-Tapping/Drilling Screw</td>
<td>SEE NOTE 15</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

**NOTES:**

1. This installation has been evaluated for use in locations adhering to the Texas & Florida Building Codes and where pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings herein, for use outside the H.V.Z.H.2.

2. All interior perimeter surfaces and exterior fins and brickmoulds of the window must be caulked.

3. Anchor type, size, spacing, and embedment shall be as specified in these drawings.

4. Anchor embedment to substrate shall be beyond wall dressing or stucco. Fin installations to concrete/masonry openings require the use of 2x wood bucks between product and substrate, with product installation to 2x buck as indicated on sheet 1. Flange installations to concrete/CMU openings, embedment shall be beyond wood bucks, if used, and into substrate, see sheet 2. Flange installations to solid concrete or grout-filled CMU may include but do not require 1x wood bucks between product and substrate.

5. Wood or masonry openings, bucks, and bucks fasteners, by others, shall be properly designed and installed to transfer wind loads to the structure. Substrates shall meet the minimum strength requirements as shown in Table 1, this sheet, and Table 2, sheet 2.

6. The responsibility for selection of Simonton products to meet any applicable local laws, building codes, ordinances, or other safety requirements rests solely with the architect, building owner, or contractor.

7. Shims are required where gaps of greater than 1/16" exist between opening and frame. Max. shim stack is 1/4". Shims shall be load-bearing and capable of transferring loads to the substrate.

8. When used in areas requiring impact protection conforming to missile level C, wind zone 2, this product DOES NOT REQUIRE the use of approved impact resistant shutters or other external protection.

9. Sealing and flashing by others should be applied using the ASTM E 2112 methodology appropriate for the opening into which the door is being installed. Overall water penetration resistance of the installed product is the responsibility of others.

10. Glazing shall comply with ASTM 1300-04 and safety glazing requirements per FBC Section 2406.

11. A minimum center-to-center spacing of 1-1/4" shall be maintained between all Elco Ultracons in any direction.

12. All fasteners penetrating into pressure treated wood shall be capable of preventing corrosion due to reaction with pressure treatment chemicals. Any dissimilar materials that come into contact shall be protected to prevent reactions in accordance with code requirements.

13. A wind load duration factor Cd = 1.6 was used for the analysis of wood screws only.

14. Windows shall be constructed as specified in test reports B7569.01-501-47-1, A6960.01-501-47+0 and E0418.01-109-0 by Architectural Testing, Inc.

15. For installation to metal substrates, anchors shall be long enough to be fully threaded through the metal thickness with an additional 3/16" min. of threads beyond.

16. Use 100% pure silicone caulk compliant with AAMA 800 Section 1 - Sealant Specifications for use with Architectural Fenestration Products. Make sure surfaces are completely free from all old caulk, damaged wood, wood fibers, grease, oil, dirt, rust, mold or similar contaminants. Vacuum and clean opening surfaces completely. A fully primed surface is recommended, but not required. Cleaning of all surfaces should be done the same day of which the silicone caulk is applied. For more details see "Coastal Installation" on Simonton.com.

17. Caulk application: recommended air and surface temperatures at the time of application are to be between 40 and 90 degrees F. Insure all contact surfaces are completely free from all old caulk, damaged wood, wood fibers, grease, oil, dirt, rust, mold or similar contaminants. Vacuum and clean opening surfaces completely. A fully primed surface is recommended, but not required. Cleaning of all surfaces should be done the same day of which the silicone caulk is applied. For more details see “Coastal Installation” on Simonton.com.

**DISCLOSURE STATEMENT:**

This document is the property of Simonton Windows, which retains all proprietary and other rights to its subject matter. This document is provided to the recipient on an "as is" condition that it is not to be disclosed, reproduced in whole or part, nor used in conjunction with the design, manufacture or repair of goods for anyone other than Simonton Windows without its consent. This restriction does not limit the recipient’s rights to utilize information contained in this document, which is properly obtained from another source.