Simonton Series 06-05 Impact Resistant 2-Panel Vinyl Patio Door

MODEL DESIGNATION: Simonton Series 06-05

MAXIMUM OVERALL NOMINAL SIZE: Single up to 95" x 80"

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

USABLE CONFIGURATIONS:
- X0, OX

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

TABLE 1: FIN INSTALLATION FASTENERS TABLE

- **ID**
- **SUBSTRATE TYPE**
- **ANCHOR TYPE**
- **MIN. EMBED.**
- **MIN. EDGE DISTANCE**

<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>2&quot; MIN. SOUTHERN PINE WOOD (G=0.55)</td>
<td>#8 WOOD SCREW</td>
<td>1&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

**EXTRA INSTALLATION FASTENER, EACH SIDE OF INTERLOCK**

**#8 X 2 1/2" WOOD SCREW, KEEPER TO BUCK**

**THRU-FIN INSTALLATION FASTENER, LOCATION, TYP.**

**SILICONE CAULK**

**MIN. EMBED., SEE TBL 1**

**SILICONE CAULK - 1/4" MAX. SHIM**

**DIMENSIONAL TOLERANCES**

- **DECIMALS**
  - X ± .03
  - VX ± .01
  - XXX ± .005

**MATERIAL:**
- **FACE FINISH:**
  - **EXCEPT AS NOTED**
- **FINISH TREATMENT:**
  - **UNLESS OTHERWISE SPECIFIED**

**DISCLOSURE STATEMENT**

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**FILE: **IN0548

**REVISED BY:**

**DATE:** 1/31/15

**L.A.T.:**

**REVISIONS:**

- UPDATED FOR MULTIPLE SUBSTRATE TYPES
- **REVIEWED BY:**
  - **DATE:**
  - **APPROVED BY:**
  - **DATE:**

**SCALE:**

- **FIT:**
  - **SHEET:** 1 of 2
  - **DATE:** 04/25/12
  - **APPROVED BY:**

**SERIES:**

- **FIT:**
  - **SHADE:** 08-05 IMPACT RESISTANT 2-PANEL PATIO DOOR
  - **DATE:**

**TITLE:**

- THROUGH-FIN INSTALLATION DETAILS
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.H.Z.
2. All interior and exterior perimeter surfaces 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. For concrete/CMU openings embedment shall be beyond wood bucks, if used, and into substrate. Installations to solid concrete or grout-filled CMU may include but do not require 1x wood bucks between product and substrate. Installations to hollow CMU require the use of 1x bucks between product and substrate.
5. Wood or masonry openings, bucks, and buck 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. Concrete or masonry substrates shall not be cracked.
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 stock 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 E 1300-04 and safety glazing requirements per FBC Section 2406.
11. For installation to metal substrates, anchors shall be long enough to be fully threaded through the substrate and capable of transferring loads to the substrate. Substrates shall meet the minimum strength requirements as shown in Table 1, this sheet. Concrete or masonry substrates shall not be cracked.
12. A minimum center-to-center spacing of 3" shall be maintained between all Elco Ultracons in any direction.
13. 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.
14. A wind load duration factor Cd = 1.6 was used for the analysis of wood screws only.
15. Windows shall be constructed as specified in test reports B7598.01–S01–47—r1 and B7598.01–S01–47—r0, by Architectural Testing, Inc.

TABLE 2: THROUGH-FRAME INSTALLATION FASTENERS TABLE

<table>
<thead>
<tr>
<th>SUBSTRATE TYPE</th>
<th>ANCHOR TYPE</th>
<th>MIN. EMBED</th>
<th>MIN. EMBED</th>
<th>MIN. EMBED</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE (2.85 KSI Min.)</td>
<td>INSTALLATION OR HARDWARE: 3/16&quot; ELCO ULTRACON</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>HOLLOW OR GROUT-FILLED</td>
<td>INSTALLATION OR HARDWARE: 3/16&quot; ELCO ULTRACON</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>OML (ASTM C90)</td>
<td>INSTALLATION OR HARDWARE: 3/16&quot; ELCO ULTRACON</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>2X MIN. SOUTHERN PINE WOOD (C05-55)</td>
<td>INSTALLATION OR HARDWARE: 3/16&quot; ELCO ULTRACON</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>2X MIN. SOUTHERN PINE WOOD (C05-55)</td>
<td>INSTALLATION OR HARDWARE: 3/16&quot; ELCO ULTRACON</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>1/8&quot; ALUM. 6063-T5 MIN. OR 1/8&quot; STEEL 36 KSI MIN.</td>
<td>INSTALLATION OR HARDWARE: 3/16&quot; ELCO ULTRACON</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
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<td>1/8&quot;</td>
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</tbody>
</table>

MATERIAL:
- MATERIAL EXCEPT AS NOTED
- FINISH TREATMENT

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