

TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION DR-282

Effective October 1, 2007

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 shall be subject to reevaluation April 2008.

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 6000-4T Aluminum 90-Degree Corner Sliding Glass Doors, Non-impact Resistant
 manufactured by

WinDoor Incorporated
 7500 Amsterdam Drive
 Orlando, Florida 32832
 Telephone: (407) 481-8400
 www.windoorinc.com

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 6000-4T is an aluminum 90-degree corner sliding glass door. The aluminum sliding glass doors evaluated in this report are non-impact resistant doors. This product evaluation report is for aluminum sliding glass doors based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 6000-4T; Aluminum 90-Degree Corner Sliding Glass Door; (XXXX/XXXX)	SGD-C35 302 x 240 x 120
2	Series 6000-4T; Aluminum 90-Degree Sliding Glass Door; (XXXX/XXXX)	SGD-HC45 302 x 240 x 120

Component Dimensions:

System	Overall Door Size	Side 1 Operable Panel Sizes	Side 2 Operable Panel Sizes
1	302 $\frac{7}{16}$ " x 240" x 120" Side 1: C-C-C-GO Side 2: FO-EL-AO-AIR	(3 "C") - 61 $\frac{1}{2}$ " x 118 $\frac{5}{16}$ " (1 "GO") - 63 $\frac{7}{8}$ " x 118 $\frac{5}{16}$ "	(1 "FO") - 62 $\frac{13}{16}$ " x 118 $\frac{5}{16}$ " (1 "EL") - 60 $\frac{3}{8}$ " x 118 $\frac{5}{16}$ " (1 "AO") - 60 $\frac{5}{8}$ " x 118 $\frac{5}{16}$ " (1 "AIR") - 60 $\frac{5}{8}$ " x 118 $\frac{5}{16}$ "

PRODUCT DESCRIPTION (Continued)

Component Dimensions - continued:

System	Overall Door Size	Side 1 Operable Panel Sizes	Side 2 Operable Panel Sizes
2	302 $\frac{7}{16}$ " x 240" x 120" Side 1: C-C-C-GO Side 2: FO-EL-AO-AIR	(3 "C") - 61 $\frac{1}{2}$ " x 118 $\frac{5}{16}$ " (1 "GO") - 63 $\frac{7}{8}$ " x 118 $\frac{5}{16}$ "	(1 "FO") - 62 $\frac{13}{16}$ " x 118 $\frac{5}{16}$ " (1 "EL") - 60 $\frac{3}{8}$ " x 118 $\frac{5}{16}$ " (1 "AO") - 60 $\frac{5}{8}$ " x 118 $\frac{5}{16}$ " (1 "AIR") - 60 $\frac{5}{8}$ " x 118 $\frac{5}{16}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	SG-1	GM-1
2	SG-1	GM-1

Note: ¹ See the "Glass Description Key" for the glazing construction.
² See the "Glazing Method Key" for the glazing method description.

Glazing Description Key:

SG-1: The door panels of the tested assembly are single glazed with a $\frac{1}{4}$ " fully tempered glass lite. The glass thickness and construction used in the tested assembly and in smaller assemblies must comply with ASTM E 1300.

Glazing Method Key:

GM-1: The glass lite is channel glazed with a flexible wrap around the glazing bead.

Frame Construction: The frame members are manufactured from extruded 6063-T6 aluminum. The frame corners are coped and attached with two (2) screws per corner. The frame members are not thermally broken.

Panel Construction: The panels are manufactured from extruded 6063-T6 aluminum. The panel corners are coped and attached with two (2) screws per corner. The panel members are not thermally broken.

Sill Riser:

System 1: A minimum 1 $\frac{1}{2}$ " high aluminum sill riser is attached to the interior leg of the frame sill.

System 2: A minimum 2 $\frac{1}{4}$ " high aluminum sill riser is attached to the interior leg of the frame sill.

Hardware:

- Adjustable tandem wheel roller assembly; One (1) required; Located at each end of each active panel.
- Two-point mortise type locks and keepers; Two (2) required; Located at each corner locking stile.
- Multi-point keepers; One (1) required; Located at each jamb and astragal stile at the lock positions.

PRODUCT DESCRIPTION (Continued)

Reinforcement:

System 1: None.

System 2: Aluminum reinforcement is located in the each panel interlock stile, except in the "GO" panel. The reinforcement extends the length of the members.

Product Identification: A certification program label (Keystone) will be affixed to the sliding glass door. The certification program label includes the manufacturer's code name; product name: **Series 6000-4T Aluminum 90 Degree Corner Sliding Glass Door**; performance characteristics; and approved inspection agency to indicate compliance with the requirements of AAMA/WDMA 101/I.S.2.

The certification label contains a Certification Authorization Report (CAR) number located on the top right side of the label and a model name for the sliding glass door. The following CAR numbers and model names are located on each label:

Label Identification:

System	Model	Certification Authorization Report (CAR) number
1	Series 6000-4T Aluminum 90 Degree Sliding Glass Door	167-122
2	Series 6000-4T Aluminum 90 Degree Sliding Glass Door	167-123

LIMITATIONS

Design pressures:

System	Maximum Width Side 1 (in.)	Maximum Width Side 2 (in.)	Maximum Height (in.)	Design Pressures (psf)
1	302 ⁷ / ₁₆	240	108	± 35
2	302 ⁷ / ₁₆	240	108	± 45

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when used in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS


General: The door assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

INSTALLATION INSTRUCTIONS (Continued)

Installation (System 1): The wood wall framing members shall be minimum Southern Yellow Pine lumber. The door is secured to the wall framing through the frame head, sill, and jambs through pre-punched holes with minimum No. 14 screws. Four rows of fasteners are required, one row in each track. **Side 1 (C-C-C-GO):** Along the head sill and end jamb, the fasteners are spaced a maximum of 6 inches from each corner and a maximum of 24 inches on center. Along the hook strip, the fasteners are spaced 3 inches from each end and 6.7 inches on center. **Side 2 (FO-EL-AO-AIR):** Along the head sill and end jamb, the fasteners are spaced a maximum of 6 inches from each corner and a maximum of 24 inches on center. **General:** The fasteners shall penetrate a minimum of $2\frac{1}{2}$ " into the wood wall framing. For concrete and concrete masonry unit wall construction, minimum $\frac{1}{4}$ " diameter ELCO Crete-Flex masonry screws shall be used. The masonry screws shall have a minimum edge distance of $1\frac{3}{4}$ " and shall embed a minimum of $1\frac{1}{2}$ " into the wall framing.

Installation (System 2): The wood wall framing members shall be minimum Southern Yellow Pine lumber. The door is secured to the wall framing through the frame head, sill, and jambs through pre-punched holes with minimum No. 14 screws. Four rows of fasteners are required, one row in each track. **Side 1 (C-C-C-GO):** Along the head sill and end jamb, the fasteners are spaced a maximum of 6 inches from each corner and a maximum of 18 inches on center. Along the hook strip, the fasteners are spaced 3 inches from each end and 6.7 inches on center. **Side 2 (FO-EL-AO-AIR):** Along the head sill and end jamb, the fasteners are spaced a maximum of 6 inches from each corner and a maximum of 18 inches on center. **General:** The fasteners shall penetrate a minimum of $2\frac{1}{2}$ " into the wood wall framing. For concrete and concrete masonry unit wall construction, minimum $\frac{1}{4}$ " diameter ELCO Crete-Flex masonry screws shall be used. The masonry screws shall have a minimum edge distance of $1\frac{3}{4}$ " and shall embed a minimum of $1\frac{1}{2}$ " into the wall framing.

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.

	Document Title:	Doc No:	FRM B1-02		
	Keystone Certification Program Certification Authorization Report	Rev No:	5	Page:	1 Of 1
Required By: PRO B1-03					

CAR & Product ID Number: 167 - 122.0
Issue Date: 4/14/2004
Revision Date: 12/10/2007
Expiration Date: 3/31/2009
Company Code: 167

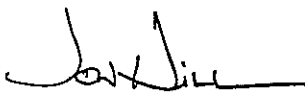
This Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review of the product qualification documents for the product named below. This report is only valid when signed by an officer of KCI, and indicates the product as manufactured by the company named below has been tested and meets the requirements of the referenced standard and is eligible for the application of Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at www.keystonecerts.com.

Company Information:	Product Information:
WinDoor, Inc 7500 Amsterdam Drive Orlando FL 32832	Model: Series 6000-4T Al. 90 Deg. Corner SGD Operator Type: SGD Config: 1.5" SR Max Width: 302 Max Height: 120

Referenced Standard:	Product Rating:
ANSI/AAMA/WDMA 101/IS2-97	SGD-C35 302x240x120 XXXX/XXXX


Qualifying Test Information:	
Test Report No:	NCTL-210-2966-3
Test Report Expiration:	3/31/2009

Authorized Signature:



Digitally signed by Jon Hill
DN: cn=Jon Hill, c=US, o=Keystone
Certifications, email=jhill@keystonecerts.com
Reason: I attest to the accuracy and integrity
of this document
Date: 2007.12.10 16:42:47 -05'00'

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	Keystone Certification Program Certification Authorization Report	Rev No: 5	Page: 1	Of: 1
Required By: PRO B1-03				

CAR & Product ID Number: 167 - 123.0
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Company Information:	Product Information:
WinDoor, Inc 7500 Amsterdam Drive Orlando FL 32832	Model: Series 6000-4T Al. Reinforced 90 Deg. Corner SGD Operator Type: SGD Config: EM/IM/2.25" SR Max Width: 302 Max Height: 120

Referenced Standard:	Product Rating:
ANSI/AAMA/WDMA 101/IS2-97	SGD-HC45 302x240x120 XXXX/XXXX

Qualifying Test Information:	
Test Report No:	NCTL-210-2966-4
Test Report Expiration:	3/31/2009

Authorized Signature:



Digitally signed by Jon Hill
 DN: cn=Jon Hill, c=US, o=Keystone
 Certifications, email=jhill@keystonecerts.com
 Reason: I attest to the accuracy and integrity of
 this document
 Date: 2007.12.10 16:43:35 -05'00'

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