

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-455

Effective December 1, 2010

*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 **March 2014**.*

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.

Tectview Vinyl Sliding Glass Doors, New and Replacement Construction, Impact Resistant,
manufactured by

Burris Windows
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Carrollton, Texas 75006-8377
Telephone: (800) 288-5811
www.burriswindows.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 Tectview door is a vinyl sliding glass door. The vinyl sliding glass door evaluated in this report is an individual, impact resistant door. This product evaluation report is for a vinyl sliding glass door based on the following tested construction:

General Description:

System	Description	Label Rating
1	Tectview Vinyl Sliding Glass Door; (XO)	SD-R50 96 x 92 AAMA 506-06; Missile Level D

Component Dimensions:

System	Overall Door Size	Operable Panel Size	Fixed Daylight Opening Size
1	95 1/2" x 81 1/2"	48 1/2" x 78 3/8"	43 3/4" x 73 3/4"

Glazing Description:

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

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The operable and the fixed panel contain a sealed insulating glass unit. The sealed insulating glass units are comprised of one double strength ($\frac{1}{8}$ ") fully tempered glass lite and a laminated glass unit separated separated by a rectangular-shaped steel spacer system. The laminated glass unit is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites with a 0.090" Solutia Saflex PVB interlayer. The glass thickness used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are set against against either TruSeal Purfect Glaze™ sealant or Novaflex® M400 sealant. Rigid vinyl snap-in glazing beads are used to secure the insulating glass units in place.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction. The fixed meeting still is secured to the frame with screws.

Panel Construction: The panel members are manufactured from extruded vinyl (PVC). The panel member corners are mitered and welded construction.

Reinforcement: Extruded aluminum reinforcement is utilized in each interlock stile and in each operable panel stile and the top and bottom rails of the operable panels. The reinforcement extends the length of the members.

Hardware:

- Lock and handle set with dual adjustable latch; One (1) required; Located on the lock stile, approximately 40 up from the bottom.
- Metal keeper; One (1) required; Located on the frame jamb, approximately 40 inches up from the bottom.
- Spring loaded adjustable roller; Two (2) required; Located on active panel bottom rail, one at each end.

Reinforcement: U-shaped steel reinforcement is located in the fixed meeting stile, in the operable panel interlock stile, and in the operable panel lock stile.

Product Identification: A certification program label (AAMA) will be affixed to the assembly. The certification program label includes the manufacturer's code name (BUR-1); product name: **Tectview Patio Door**; performance characteristics; the approved inspection agency (AAMA); and the following applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05 and AAMA 506-06.

LIMITATIONS

Design pressures (DP):

System	Overall Width (in.)	Overall Height (in.)	Design Pressure (psf)
1	95 $\frac{1}{2}$	81 $\frac{1}{2}$	± 50

Impact Resistance: These door assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I zone** and the **Seaward zone**. The door assemblies passed Missile Level D specified in ASTM E 1996-04. The door assemblies may be installed at any height on the structure as long as the design pressure rating for the assembly is not exceeded. These door assemblies will not need to be protected with an impact protective system.

Acceptance of Smaller Assemblies: Door 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 installed in accordance with the manufacturer's installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation:

New Construction: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door shall be mounted to the wood wall framing members using the nailing fin and the frame of the door with minimum No. 8 x 2" screws. The nailing fin at the head and the side jambs is secured to the wall framing with fasteners shall be spaced approximately 4 inches from each corner and approximately 9 inches on center. The frame is secured to the wall framing at the head with five (5) fasteners, one approximately 6 inches from each end, one at the mid span, and one 6 inches on either side of the mid-span. The frame is secured to the wall framing at each side jamb with four (4) fasteners, spaced approximately 6 inches from each end with the remainder evenly spaced in between. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Replacement Construction: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door shall be mounted to the wood wall framing members using the frame of the door with minimum No. 8 x 2" screws. The frame is secured to the wall framing at the head with five (5) fasteners, one approximately 6 inches from each end, one at the mid span, and one 6 inches on either side of the mid-span. The frame is secured to the wall framing at each side jamb with four (4) fasteners, spaced approximately 6 inches from each end with the remainder evenly spaced in between. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches 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.