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Product Approval
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- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

FL # FL9051-R1
Application Type Affirmation
Code Version 2007
Application Status Approved
Comments
 Archived

Product Manufacturer Rixson
Address/Phone/Email 9100 W Belmont Ave.
 Franklin Park, IL 60131
 (704) 283-2101 Ext 6195
 jtrull@assaabloydss-cs.com

Authorized Signature Jeff Trull
 jtrull@assaabloydss-cs.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category Exterior Doors
Subcategory Exterior Door Components

Compliance Method Certification Mark or Listing

Certification Agency Underwriters Laboratories Inc.
Validated By

Referenced Standard and Year (of Standard)	Standard	Year
	ANSI/SDI A250.13	2003
	ASTM E 330	2002
	ASTM E1886	2002
	ASTM E1996	2002
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994

Equivalence of Product Standards
Certified By

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Documentation from approved Evaluation or Validation Entity

Product Approval Method Method 1 Option A

Date Submitted 08/04/2008

Date Validated 08/04/2008

Date Pending FBC Approval 08/04/2008

Date Approved 08/04/2008

Summary of Products

FL #	Model, Number or Name	Description
9051.1	195 Pivot Set	Rixson 195 Pivot Set (includes M19 Intermediate Pivot)
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +100/-100 Other:		Certification Agency Certificate FL9051_R1_C_CAC_ZHDX.R25552 - Hinges.pdf Quality Assurance Contract Expiration Date Installation Instructions FL9051_R1_II_f6s52200.PDF Verified By: Underwriters Laboratories Inc. Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:

DCA Administration

Department of Community Affairs
 Florida Building Code Online
 Codes and Standards
 2555 Shumard Oak Boulevard
 Tallahassee, Florida 32399-2100
 (850) 487-1824, Fax (850) 414-8436

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Product Approval Accepts:





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Hinges**

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Hinges

See General Information for Hinges

RIXSON-FIREMARK, DIV OF YALE SECURITY INC

R25552

9100 W BELMONT AVE
FRANKLIN PARK, IL 60131 USA

Model	Type	Shear Load (lbs) (leaf hinges only)	Max Opening Size (ft-in.) (continuous or pivot hinges only)	Design Pressure (psf) (continuous or pivot hinges only)	Impact (ft-lbs)
195 with M19 Intermediate Pivot *#	—	—	4 ft x 8 ft single swing, 8 ft x 8 ft pair of doors	+100, -100	350

* Products evaluated in accordance with Protocols TAS 201-94, TAS 202-94 and TAS 203-94.

Qualified With Large Missile Impact Test - TAS 201.

Last Updated on 2009-05-12

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[Windstorm-rated Building Products] (Windstorm-rated Swinging Door Components) Hinges

See [General Information for Windstorm-rated Swinging Door Components](#)

GENERAL

This category covers hinges intended for use as components in swinging door windstorm-rated assemblies.

The performance of leaf hinges, continuous hinges and pivots as components of an assembly is based upon test methods in ANSI/SDI-BHMA A250.13, "Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies."

The following information is noted in the individual Classifications: the manufacturer, the name or model number of the hinge, and the maximum impact energy resistance rating (ft-lbs) of the hinge.

For leaf hinges, the Classification information also identifies the maximum shear load rating per hinge (lbs).

For continuous hinges and pivots, the Classification information also identifies the maximum design pressure (psf) and maximum opening size.

These products are intended to be installed in accordance with the instructions/manuals provided by the hinge manufacturer as indicated in the individual manufacturers' Classifications.

Refer to Section 12 and Appendix B of ANSI/SDI-BHMA A250.13 for guidance and examples in the selection of a component to obtain the desired windstorm resistance.

Authorities Having Jurisdiction should be consulted before installation.

ADDITIONAL INFORMATION

For additional information, see Windstorm-rated Building Products ([ZHBA](#)) and Building Materials ([AABM](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/SDI-BHMA A250.13-2008, "Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies."

As noted in the individual Classifications, some products may also be Classified in accordance with one or more of the following:

ANSI/ASTM E330-2002, "Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"

ANSI/ASTM E1886-2005, "Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"

ASTM E1996-2005b, "Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

Testing Application Standard (TAS) 201-1994, "Impact Test Procedures"**

Testing Application Standard (TAS) 202-1994, "Criteria for Testing Impact and Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"**

Testing Application Standard (TAS) 203-1994, "Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"**

* published in the "Florida Building Code"

UL MARK

The Classification Mark of Underwriters Laboratories Inc. on the product is the only method provided by UL to identify products manufactured under its Classification and Follow-Up Service. The Classification Mark for these products includes the UL symbol, the word "CLASSIFIED" above the UL symbol (as illustrated in the Introduction of this Directory), and the following additional information:

**HINGE
IN ACCORDANCE WITH ANSI/SDI-BHMA A250.13
TESTING AND RATING OF SEVERE WINDSTORM RESISTANT
COMPONENTS FOR SWINGING DOOR ASSEMBLIES
Control No.**

The Classification Mark may be abbreviated as follows:

**HINGE
IN ACCORDANCE WITH ANSI/SDI-BHMA A250.13
Control No.**

The Classification Mark may also include the statement, "ALSO CLASSIFIED IN ACCORDANCE WITH *."

* ANSI/ASTM E330, ANSI/ASTM E1886, ASTM E1996, TAS 201, TAS 202 and/or TAS 203

In addition, the UL symbol and the letter "W" (Windstorm) are cast or stamped on the exposed surface if the entire Classification Mark is not visible after installation of the product.

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