UL Product iQ™

ZHEM.GuideInfo - Latching Hardware

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

See General Information for Windstorm-rated Swinging Door Components

GENERAL

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

The performance of locksets, single-point rim exit devices, single-point mortise exit devices and multi-point latches as components of an assembly is based upon test methods in SDI A250.13, "Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies."

The following information is noted in the individual certifications for multipoint locking: the manufacturer, the name or model of latching hardware, the type, the door stiffness, the door size, the maximum design pressure, the latch throw and the maximum impact energy resistance.

The following information is noted in the individual certifications for rim exits and mortise exits: the manufacturer, the name or model of latching hardware, the type, the door size, the latch throw, the stiffness classification, the maximum impact energy resistance and the maximum latch design pressure.

The following information is noted in the individual certifications for mortise and cylindrical locks for single doors: the manufacturer, the name or model of latching hardware, the type, the door size, the latch throw and, the maximum impact energy resistance rating, the maximum latch design load and the maximum design pressure.

The certification information also identifies the swing direction of the door.

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

Refer to Section 12 and Appendix B of SDI 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.

PRODUCT IDENTITY

The following product identity appears on the product:

Latching Hardware

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 SDI A250.13, "Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies."

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

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

ASTM E1886, "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, "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, "Impact Test Procedures"*

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

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

* published in the "Florida Building Code"

UL MARK

The Certification Mark of UL on the product or on the smallest unit container in which the product is packaged is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Additional Certification Markings

Products covered under this category are additionally marked with the following information:

ANSI/SDI A250.13
TESTING AND RATING OF SEVERE WINDSTORM RESISTANT
COMPONENTS FOR SWINGING DOOR ASSEMBLIES

or

ANSI/SDI A250.13

These products may also be marked with the statement "ALSO CERTIFIED TO *"

* ASTM E330, 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 Certification Mark is not visible after installation of the product.

Alternate UL Mark

The Classification Mark of UL on the product or on the smallest unit container in which the product is packaged 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:

LATCHING HARDWARE
IN ACCORDANCE WITH ANSI/SDI A250.13
TESTING AND RATING OF SEVERE WINDSTORM RESISTANT
COMPONENTS FOR SWINGING DOOR ASSEMBLIES
Control No.

The Classification Mark may be abbreviated as follows:

LATCHING HARDWARE
IN ACCORDANCE WITH ANSI/SDI A250.13
Control No.

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

* ASTM E330, 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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