

UL LISTING

Type: Safety evaluation

Purpose: “UL Listing means that UL has tested representative samples of a product and determined that it meets UL’s requirements. These requirements are often based on UL’s published and nationally recognized Standards for Safety.”
– *UL Website*

Benefit: Customers can trust that a UL certified product meets the safety criteria of UL. This can provide the customer with greater confidence that the vent will not cause injury or fire when installed correctly and when the listed dangers and warnings are heeded.

Required Testing:

- i. Testing varies depending on the type of safety being verified
- ii. Safety for electric fans requires compliance with UL standard 507
- iii. Class A fire safety rating requires ASTM E 108
- iv. UL standard 2111 covers overheating protection for electric motors

Symbols:  c  US

Quality Inspections: Quarterly

INTERTEK OR ETL LISTING

Type: Safety evaluation

Evaluates and lists products according to UL Standards for Safety. See section “UL Listing” for Purpose, Benefits, and Required Testing.

Symbols:  c  US
Intertek

Quality Inspections: Quarterly

MIAMI-DADE PRODUCT APPROVAL

Type: Code compliance evaluation

Purpose: Verifies that a product is suitable for use in Miami, Dade County, and the rest of Florida.

Benefit: Miami is prone to hurricanes, so their building code requires stringent testing to ensure that products can withstand hurricane-force winds without being destroyed or ingesting significant water. The customer can rest assured that a Miami-Dade approved product will not ingest significant rain when installed correctly, even when subjected to high velocity winds.

Required Testing:

- i. TAS100(A)-95 Wind-Driven Rain Test (110 mph winds)
- ii. **If plastic:**
 - a. ASTM G155 Arc-Xenon exposure test
 - b. ASTM D638 and/or ASTM C158 tensile or flexural strength test
 - c. ASTM D1929 self-ignition
 - d. ASTM E84 or ASTM D2843 Smoke Density
 - e. ASTM D635 Burning for Class C1 or C2

Symbols: 

Quality Inspections: Annually

TEXAS DEPARTMENT OF INSURANCE PRODUCT EVALUATION

Type: Third-party insurance evaluation

Purpose: Ensures that houses along the coast of Texas can withstand the suction force of a hurricane on the roof of a property.

Benefit: Homes with TDI evaluated products are less likely to have their exterior materials pulled off of the roof during a high-wind event.

Required Testing:

ASTM E 330 Uniform Static Load Resistance (Uplift Test)

Symbols: 

Quality Inspections: N/A

CANADIAN STANDARDS ASSOCIATION (CSA) PRODUCT LISTING

Type: Safety, performance, and code compliance evaluation

Purpose: “The CSA mark on your product demonstrates to your customers, whether they are consumers, retailers or end users, that a sample of the product has been certified to applicable standards including standards written or administered by the American National Standards Institute (ANSI), Underwriters Laboratories (UL), CSA Group (CSA), NSF International (NSF), and other North American and global organizations.” – *CSA Website*

The testing covers various types of needs including insect penetration, performance verification, and other qualities.

Benefit: Products with CSA approval have a verified NFA or CFM value. There are requirements for minimum flange size, fastener quality, material thickness, and resistance to wind, rain, and corrosion.

Required Testing:

- i. Wind Resistance Test (CSA A93:19)
- ii. Rain Resistance Test (CSA A93:19)
- iii. ASTM B117 Corrosion Resistance Test
- iv. NFA Verification
- v. CFM Verification (AMCA 210 & HVI 916)

Symbols:



Quality Inspections: Quarterly

FLORIDA BUILDING CODE PRODUCT APPROVAL

Type: Code compliance evaluation

Purpose: Florida requires building code product approval for most components of the building envelope.

Benefit: Products with FBC product approval comply with Florida’s stringent requirements for resistance to wind, rain, and debris associated with hurricanes.

Required Testing:

- i. For High Velocity Hurricane Zone: TAS 100(A) Wind-Driven Rain
- ii. For all other areas: ASTM E330 Structural Performance (Uplift)

Symbols: N/A

Quality Inspections: N/A

INTERNATIONAL CODE COUNCIL – EVALUATION SERVICE

Type: Code compliance evaluation

Purpose: “The ICC-ES® Listing Program offers a fast and cost-effective way for manufacturers of building products covered by existing consensus standards to show their product compliance with applicable standards referenced in the building codes and other applicable codes.” – *ICC-ES Website*

Benefit: Customers can rest assured that an ICC-ES product satisfies the evaluated ICC building codes. However, local codes vary from place to place and are often not included in this evaluation.

Symbols:



Quality Inspections: Annually

WUI - WILDLAND URBAN INTERFACE

Type: Code compliance evaluation

Purpose: Areas where homes are near dense forests will often require WUI code provisions.

Benefit: WUI code compliant products reduce the chance that a home will catch fire during a wildfire. This involves having wire screen over the openings to keep burning embers from entering the home or a special testing program for alternative compliance.

Required Testing:

N/A

Symbols: N/A

Quality Inspections: N/A

PRODUCTS PROUDLY



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