

Hurricane Approvals



What's Involved in Hurricane Testing?

Hurricane testing simulates the forces of a hurricane to determine how well our doors and frames perform per strict code compliance. It involves:

Impact Testing

Firing large and small objects at the product to simulate debris from high winds.

Cyclic Pressure Testing

Subjecting the product to rapid pressure changes simulating the effects of a hurricane.

Observation

Closely monitoring the product for damage, such as cracks, fractures, or separation.

Evaluation

Assessing the product's integrity to ensure it meets required standards of a particular zone.

FLORIDA APPROVALS

APPROVAL NUMBER	DOOR MODELS	MAX. VISION LITE OPTIONS	LOCKING TYPES	FRAMING OPTIONS	MAXIMUM SIZE (D.O.) **	HVHZ [†]	AIR	WATER INFIL.	DESIGN PRESSURE*	SWING
FL9875-R7	SL-16, SL-16SS, SL-17, SL-18, SL-19, SL-20	Half Lite (22" x 32")	Multi-Point Exit Device, Mullion Required for Pairs	Tube Frame (1" x 4-1/2", 2" x 4-1/2", 2" x 6"), SL-70	42" x 90" Single Door 76" x 90" Double Door	No	Yes	No	±65 psf	Out
FL9875-R7	SL-16, SL-16SS, SL-17, SL-18, SL-19, SL-20	Half Lite (22" x 32")	Rim Exit Device, SVR Multi-Point Exit Device, Cylindrical Lock, Mortise Lock	Tube Frame (1" x 4-1/2", 2" x 4-1/2", 2" x 6"), SL-70	42" x 90" Single Door	No	Yes	No	+70/-90 psf	Out
FL9875-R7	SL-16, SL-16SS, SL-17, SL-18, SL-19, SL-20	N/A	Rim Exit Device, Cylindrical Lock, Mortise Lock	Tube Frame (1" x 4-1/2", 2" x 4-1/2", 2" x 6"), SL-70	42" x 90" Single Door	No	Yes	No	±70 psf	Out
FL13789-R4	SL-16, SL-16SS, SL-17, SL-20	Half Lite (22" x 32")	Multi-Point Exit Device, Mullion Required for Pairs	Tube Frame (2" x 6")	78" x 89-1/8" Double Door	Yes	Yes	No	±65 psf	Out
FL17714-R5	AF-220	N/A	Mortise Lock, Deadbolt	AF-150 (2" x 5-3/4")	36" x 84" Single Door	No	Yes	Yes	±75 psf	Out
FL19664-R5	AF-220	N/A	Mortise Lock	AF-150 (2" x 5-3/4")	36" x 83-1/8" Single Door	Yes	Yes	Yes	±75 psf	In
FL21856-R4	AF-100, AF-217, AF-220	Half Lite (22" x 32") or Double Half Lite (22" x 21", 22" x 32")	Multi-Point Exit Device, SVR 2-Point Exit Device, Requires Surface Bolts	AF-150 (2" x 5-3/4")	48" x 96" Single Door 96" x 96" Double Door	Yes	Yes	Yes	±65 psf	Out
FL21856-R4	SL-16, SL-17, SL-19-1, SL-20	Half Lite (27-3/4" x 37-1/4") or Double Half Lite (27-3/4" x 37-1/4", 27-3/4" x 23-3/4")	Mortise Exit Device, CVR, Mortise Lock, Cylindrical Lock, Requires Mullion and Surface Bolts, Flush Bolts Required for Pairs	Tube Frame (2" x 4-1/2", 2" x 6")	48" x 96" Single Door 96" x 96" Double Door	Yes	Yes	No	±65 psf	Out
FL21856-R4	SL-15	Double Half Lite (21" x 93-3/4") or Full Lite (45-1/4" x 75-5/8"); Transom 26-1/8" x 100-3/4", frame width)	Mortise Exit Device, CVR, Mortise Lock, Cylindrical Lock	Tube Frame (2" x 4-1/2", 2" x 6")	48" x 96" Single Door 96" x 96" Double Door	Yes	Yes	No	±65 psf	Out
FL27723-R2	SL-16, SL-17, SL-19-1, SL-20	Day Lite Opening (18" x 75")	Standard 1" Mortise Lock	Tube Frame & Thermally Broken (2" x 4-1/2")	42" x 96" Single Door	No	Yes	No	±90 psf	In/Out
FL19927	AF-100	N/A	Mortise Lock, Deadbolt	AF-150 (2" x 5-3/4")	36" x 84" Single Door	No	Yes	Yes	±100 psf	Out
FL19927 (non-impact)	AF-100	N/A	Mortise Lock, Deadbolt	AF-150 (2" x 5-3/4")	36" x 84" Single Door	No	Yes	Yes	±180 psf	Out

*Design Pressure is the maximum amount of wind pressure a window or door can withstand without sustaining permanent damage and varies by hardware set. Please consult [configuration worksheets](#) and [approval documents](#) for details.

**Consult approval drawings for D.O. size details.

[†]High Velocity Hurricane Zone (HVHZ) is a series of laboratory tests that building materials must pass to be used in that zone. HVHZ is required for Miami-Dade and Broward Counties only. The tests ensure that the materials can withstand extreme wind and pressure.

TDI APPROVALS

As of May 2023, TDI accepts third-party evaluation reports. TDI will not edit, modify, or revise any reports. It will not develop new evaluation reports or renew them. Report listings previously hosted on the TDI website were removed at the end of 2025.