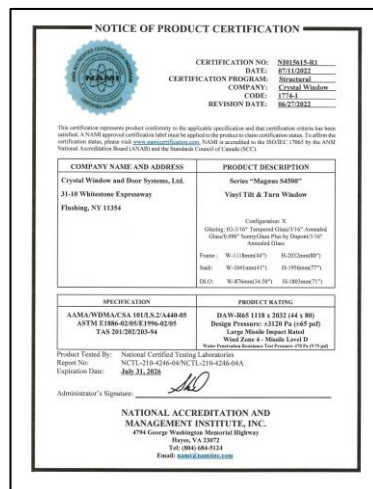


Crystal uPVC Windows Approved for Florida Hurricane Zones
- High-End Commercial Vinyl Rated for Impact and Water Resistance -

QUEENS, NY, November 17, 2022 – National manufacturer Crystal Window & Door Systems is pleased to announce that it has added two products to its roster of windows approved by the Florida Building Commission. The MAGNUS uPVC commercial vinyl Series 4500 Tilt-and-Turn and Fixed windows were just approved for use in Florida hurricane areas. Crystal already has eight other products approved for high-wind locations in the state by Florida building authorities. All these Crystal windows are also suitable candidates for high-wind and coastal locations in other states.



Crystal Window & Door Systems' MAGNUS uPVC Commercial Vinyl Series 4500 Tilt-and-Turn (shown above, with its test certificate) and Fixed windows received approval for use in Florida's High-Velocity Hurricane Zones (HVHZ) as well as regions outside these zones. Crystal now has 10 windows approved for projects in Florida, with two in HVHZs.

“These are the first Crystal products rated for use in Florida’s High-Velocity Hurricane Zones (HVHZ) for impact and water resistance, as well as for use in less severe high-wind locations,” said Sabrina Leung, Architectural Sales and Engineering Manager. “The MAGNUS line is one of our top performers, with the perfect combination of aluminum’s superior strength and vinyl’s outstanding thermal performance. The uPVC line also offers great sound attenuation.”

Qualifying for the Florida HVHZ rating, the MAGNUS Series 4500 Tilt-and-Turn window achieved an R65/wind

zone 4/missile level D rating, with water resistance tested at 9.75 psf. The MAGNUS Series 4500 Fixed window’s water resistance was successfully tested at 12.12 psf and is also rated R65. Both MAGNUS Series 4500 windows were tested with 1” overall tempered and laminated double-pane insulated glass units, incorporating the SentryGlas Plus by DuPont laminating interlayer. All testing was completed by independent test labs with separate independent engineering review for the Florida Department of Business and Professional Regulation (DBPR) for adherence to the current Florida Building Code.



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NEWS RELEASE

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Crystal uPVC Windows Approved for Florida Hurricane Zones - continued -

Crystal's MAGNUS Series 4500 features a choice of either 2-³/₈" or 3-¹/₄" frame depths, multi-point locks, sash perimeter compression seals, and top quality hardware. The frame's insulating multi-chambers are suitable for optional reinforcement, an important feature for large size or heavy commercial rated windows. The MAGNUS Series 4500 accommodates insulated glass units up to 1-³/₈" and offers U-values as low as 0.20.

The uPVC material's High-Definition Finish (HDF) outperforms standard vinyl to assure years of unparalleled service with minimal maintenance and it is available in three extruded colors – white, beige, and clay. Additional solid color and wood grain foil options are available. To facilitate new construction and retrofit installations in a variety of building types, optional nail fins and other accessories are available.

Other Crystal products approved for Florida construction zones outside HVHZ regions include eight select aluminum commercial, heavy-commercial, and architectural windows in slider, double-hung, fixed, and awning styles. Recently, Crystal supplied over 2,100 window and door products for two new student residences at University of Florida-Gainesville's campus, in a high-wind region of central Florida. With the MAGNUS Series 4500, Crystal now has 10 products approved for use in Florida.

"Crystal is expanding in the Southeast where new development and renovation construction is strong," said Steve Chen, President. "Florida is an exciting market, and we are proud that our Florida-approved products are meeting this demand."

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Crystal Window & Door Systems is one of the top 30 manufacturers in North America of replacement and new construction vinyl and aluminum window and door products and high-end fenestration systems. Crystal offers a full product line, rapid order-to-delivery times, quality workmanship, innovative product features, outstanding value, and an experienced and knowledgeable staff. Headquartered in New York, the company operates a national network of factories, branches, subsidiaries and affiliates in California, Illinois, Missouri, Ohio, and Pennsylvania. For further information about Crystal and its products, call 718-961-7300, or visit the website at www.crystalwindows.com.