

Crystal Magnus Window Achieves Top Fire Performance Rating **- Commercial uPVC Vinyl Window ASTM E84 Tested and Designated Class A -**

QUEENS, NY, November 26, 2019 – Crystal Window & Door Systems, the award-winning national manufacturer is pleased to announce that its Magnus Series 4500 uPVC commercial vinyl window has been designated Class A, the top category, for fire performance properties. Samples of the Crystal Magnus window were recently submitted to a certified independent test laboratory for testing according to ASTM E84-18b Standard Test Method for Surface Burning Characteristics of Building Materials and received the top tier results.



The Crystal Windows Magnus Series 4500 uPVC commercial vinyl window, tilt-and-turn model.

“Vinyl windows have been used in low-rise structures for many decades,” said Steven Yu, Marketing Manager for Crystal. “Now commercial reinforced vinyl is rapidly gaining popularity for higher-rise properties due to the great energy efficiency characteristics and strength. This testing confirms the superb fire performance qualities of our Magnus vinyl windows.” The recently introduced Crystal Magnus Series 4500 product line has achieved structural ratings up to AW-PG70 and outstanding thermal performance as low as 0.20 U-values. The window line is increasingly popular and has been used in notable projects around the nation.

The ASTM E84-18b standard procedure tests for how quickly a building material spreads a flame across its surface and how much smoke develops from the material in a fire situation. The test results yield a Flame Spread Index (FSI) and Smoke Developed Index (SDI), which translates to a designation under International Building Code (IBC) and National Fire Protection Association (NFPA) criteria as Class A, B, or C.

Crystal’s Magnus Series 4500 uPVC window FSI and SDI test results place it in Class A for its surface burn characteristics based on the IBC and NFPA 101:Life Safety Code and NFPA 5000:Building Construction and Safety Code.

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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.