

Crystal Windows Launches Magnus Series 4500 Commercial Vinyl Product Line

- uPVC Windows and Doors Deliver Outstanding Structural and Energy Performance -

FLUSHING, NY, May 1, 2019 – Crystal Window & Door Systems, the award-winning national manufacturer, is proud to announce the availability of its new Magnus Series 4500 line of unplasticized polyvinyl chloride (uPVC) window and door products. The remarkable Magnus Series 4500 windows offer the best of both worlds: structural performance equal to top aluminum products while simultaneously providing the extraordinary thermal performance of vinyl windows. The Magnus Series 4500 products combine European inspired design with strong durable uPVC fusion-welded frames and sashes. With thermal performance up to 45% more efficient than comparable thermally broken windows, these uPVC windows can play a lead role in buildings seeking to qualify for LEED or Passive House certifications.

The Crystal Magnus Series 4500 uPVC product line comes in a variety of window and door styles all based around tight compression sealing frame and sash technology. The flagship window of the Magnus line is the Series 4500 Tilt-and-Turn window. This high-end energy efficient vinyl window, like all the Magnus models, is especially suitable for large openings in



The new Crystal Magnus Series 4500 uPVC windows and doors are applicable for many commercial building types.

multi-family, commercial, select high-rise, institutional, and upscale residential properties. The Crystal Magnus Series 4500 achieves a remarkable balance of high commercial window structural ratings, great sound attenuation, and extraordinary thermal efficiency. The Crystal Magnus Tilt-and-Turn can span very tall or very wide openings while delivering with a single dual-action handle the functionality of three windows – an in-swing casement, a safe top-venting hopper, and a securely sealed picture when closed. With options, the window can achieve NAFS CW-PG70 ratings, STC sound attenuation levels up to 41db, and thermal U-values as low as 0.20.

In addition to the Tilt-and-Turn, Crystal Magnus Series 4500 product style variations include hopper, in-swing turn only, and fixed picture windows, as well as tilt-slide and single swing or dual-sash French doors. All of the

more

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Magnus Series 4500 products feature large 1-³/₈" glazing pockets which easily accommodate double- or triple-pane insulated or monolithic glass. Crystal's full range of low-E and other glass options, as well as argon filling and between-the-glass grids in several styles, are available with the Magnus Series 4500.

Other Magnus Series 4500 features include a choice of either 2-³/₈" or 3-¹/₄" frame depths, multi-point locks, sash perimeter compression seals, top quality hardware, and substantial sash reinforcement chambers, important for large size or heavy commercial rated windows.

Available in three extruded colors – white, beige, and clay – the uPVC material's High-Definition Finish (HDF) outperforms standard vinyl to assure years of unparalleled service with minimal maintenance. 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.

In addition to the Series 4500, the full Crystal Magnus uPVC product line includes the Series 700 Hung and Sliding Windows, the Series 1400 Projected Out-Swing Casement and Awning Windows, and the Builders Series 190 Hung and Sliding Windows.

Magnus windows and doors are produced at several of the Crystal factories and are available nationwide through the Crystal sales and distribution network.

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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.