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# MGS Modern Green Structures & Architecture

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+ Interior Design



**Doors & Windows**

**Sanitaryware**

**Lighting**

# Great Openings

**Architects and Interior Designers share their thoughts on the door and window systems installed in their projects and their experience with the brand used**

The Indian market for windows and doors is showing positive trends. Materials such as uPVC, aluminium, and even wood for windows and doors are finding many takers in both new and refurbished buildings. With the increasing emphasis on meeting green building standards and use of eco-friendly materials, manufacturers are offering windows that provide benefits such as energy efficiency, reduced noise and dust, thermal insulation, safety, lower maintenance, and better viewability of the outdoors. Recyclable and alternate materials like WPC for doors are seeing greater demand as compared to the traditional materials.

According to the architects, homeowners want simplicity, efficiency, and beauty in their windows and doors. There is a rising demand for well-designed windows and doors that provide safety, better lighting, sound insulation, and which enable lower energy consumption. With customers looking for premium quality products and customised options, manufacturers are innovating with new designs, colours and materials. Timely installation and post installation care and maintenance are also the prerequisites.



# House with a View

**Principal Architect Bipratip Dhar at Epsilon chooses a variety of Kommerling window systems in the CJ residence at Salt Lake City, Kolkata**

Set amidst the serene neighborhood of Salt Lake City, this private residence has huge expanses of glass windows that provide uninterrupted views of a lush green field outside and let in ample natural light. From the finest marble and splendid imported veneer to the furniture, the entire space exudes high-end living and comfort. The overall design expresses the architectural vocabulary with the help of straight lines, devoid of any ornamentation, and fulfilling the requirement of functionality and aesthetics.

All the windows used on the exterior façade are uPVC from Kommerling supported by Window Magic in Kolkata. Window systems include Casement, Sliding, Tilt & Turn. A total area of 750 sqft of window openings were designed in the third floor under renovation of this residential premise. Various

styles and systems have been incorporated to suit the functional requirements of the spaces inside.

Since a major arterial road abuts the site, acoustic insulation was of utmost importance. Thermal insulation also played a major role to protect the indoors from the hot south westerly sun. After much deliberation, double glazing was suggested with first and second pane of 5-mm toughened insulating glass made as a fabricated unit separated by an air gap of 10mm, and the edges sealed together.

Even though there was a huge choice, toughened glass was selected as it is tempered under very high temperatures making it extremely strong as compared to normal float glass. This added a security feature as double-glazed units, especially in toughened / tempered glass, are extremely hard and difficult to break in.





During the past decade, we have witnessed uPVC systems taking over the traditional wooden windows and doors for external use. Kommerling provided us with a cost effective, easy to maintain window system, with a variety of safety and security features. With a palette of sizes and styles to choose from, Kommerling systems fitted in very well with the contemporary look of the interiors. Large openings was a particular feature of the brand; that eased and facilitated flexibility in design to make full use of the views of the greenery around.

**Principal Architect Bipratip Dhar**



uPVC casement windows and sliding systems from Kommerling feature an embedded casement lock within their frame. A mosquito mesh has been incorporated in the windows since the house is situated in a hot and humid tropical climate. A separate drainage chamber and slope rebate of frame assist in draining rainwater easily in these window systems. Availability of rounded bay pole couplers with the brand was of immense help in designing windows of the large rounded façade with floor to ceiling openings.

