SOURCES & IDEAS TO TRANSFORM YOUR NEXT PROJECT!

SURFACES REPORTER

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DESIGNING WITH THE WISDOM OF THE HILLS
Ar. Prashant Pradhan

FASCINATING FACADES
7 Facades & 7 Material Stories

MATERIAL POETRIES
9 Unique Design Expressions

RISING STARS
Ar. *Dhwanil Patel, Id. Ankita Jain & Ar. Ronak Parikh*

APPLICATION ACHE
SFA Pumps : Get A Washroom Without Core Cutting

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Ar. Kapil Aggarwal
Ar. Indrajit Kembhavi
Dr. Abhay Purohit
and many more...

COVER STORY

ARE ARCHITECTS GETTING PAID ENOUGH?

OTHER STORIES

LUXURY ALUMINIUM FENESTRATION

HOME LIFT BOOM

Talking about it, **Mr Y.P. Singh, Director, Doors & Windows, Ozone said,** "Compared to traditional materials like wood, which require higher maintenance and are sensitive to environmental conditions, consistency in performance and longevity.

Aluminium, in particular, is gaining traction in premium residential and commercial segments due to its versatility, sleek appearance, and suitability for contemporary designs. Its share in the organized fenestration market is steadily growing, supported by the rising demand for contemporary façade solutions and energy-efficient building design," he added.

INNOVATIONS IN THE ALUMINIUM FENESTRATION MARKET

The aluminium fenestration segment has seen significant innovation, driven by the demand for larger openings, better performance and enhanced user experience.

According to **Mr Theodoros Axouristos, Managing Director, Alumil India,** some of the key innovations in the aluminium fenestration market are:

- **Slim and ultra-slim profiles:** Profile widths as narrow as 20 to 30 mm minimise visible frames, allowing maximum daylight and a stronger indoor-outdoor connect.
- **Sliding and lift-and-slide systems:** Advanced systems now support large panel sizes of up to 5 to 6 metres, enabled by aluminium's inherent strength and stability.

Project-House of Multiple Courtyards

Aluminium systems do not warp or crack, and retain their finish over time.

"Aluminium systems are resistant to corrosion, do not warp or crack, and retain their finish over time, especially with high-quality surface treatments like powder coating or anodizing. Routine maintenance typically involves simple cleaning and occasional inspection of hardware components. After-sales service is a critical aspect of overall system performance. This includes professional installation, periodic service support, and access to replacement components when required."

Mr Y.P. Singh
Director, Doors & Windows, Ozone

- **Thermal break technology:** Integrated insulation barriers within profiles significantly reduce heat transfer, improving energy efficiency by up to 25 to 30 per cent.
- **High-performance sealing systems:** Multi-point locking, EPDM gaskets and multi-layer sealing ensure superior air and water tightness, along with effective acoustic insulation.
- **Smart and automated solutions:** Motorised sliding systems and smart locking mechanisms are increasingly being adopted in premium residential and commercial spaces."

PRICE RANGE

The aluminium fenestration market in India remains highly fragmented, particularly when it comes to pricing and quality benchmarks. A clear divide exists between the unorganized and organized segments, each operating with very different standards of manufacturing, installation, and performance.

The unorganized segment largely comprises aluminium sections sourced from local markets and fabricated on-site, along with systems produced in small workshops and factories. While these solutions are often cost-effective and widely accessible, they typically lack standardized processes, certifications, and performance testing. As a result, parameters such as air-tightness, water resistance, thermal efficiency, and durability are difficult to assess, making long-term performance uncertain.

Aluminium Tilt & Turn Window by Ozone