

Glass brings endless possibilities



AIS Swytchglas is really the cutting edge in glass technology which has the power to control transparency making it the smartest glass around. With **AIS Swytchglas**, one can turn the glass from transparent to translucent, with the click of a button

better energy performance, BIPV, smart mirror, and anti-reflective glass."

Getting 'future ready'

AIS has invested in state-of-the-art technology and capacities across 4 locations in India with in-depth abilities and in-house infrastructure for design and development, simultaneous and concurrent engineering, localisation programs, multiple tooling approvals, new product development and value added product portfolio to meet changing demands through any of its plants across India. "AIS has already invested significantly and continues to further invest for being 'future ready' to meet the challenging and complex growth requirements of our customers," states Khanna.

New AIS solutions

Pyrobel

Fire-Resistant Glass (FRG) range under the brand AIS Pyrobel. AIS Pyrobel is a high end FRG range specially engineered to withstand extreme levels of heat, restrict heat transfer and prevent passage of smoke and flame. It is the perfect solution for architects, builders and interior design experts to design modern building spaces in a manner to contain damage due to an unfortunate occurrence of fire. AIS Pyrobel is well-suited for hospitals,



Vikram Khanna,
COO – Consumer
Glass, COO –
Architectural
Institutional Business,
CMO, CIO, Asahi India

Due to its fragile nature, the use of glass to bring natural light into buildings was earlier restricted only to windows and other small installations. Due to the development of new construction techniques, value additions and processing being done on glass, this material is now strong and durable and hence considered a viable choice for more complex structural requirements.

Glass is one material that is aesthetically sound, eco-friendly and economically viable. It is a smart, adaptable and versatile material, lending itself to endless possibilities both in terms of design and functionality, across exterior and interior applications. All in all, glass stands in a league of its own. The reason for this is simple to understand - glass enhances the visual appeal of buildings, adds a touch of modernity and elegance, and helps the building gain recognition for its stylish and luxurious environment friendly 'green' architecture, explains Vikram Khanna COO - Consumer Glass, COO - Architectural Institutional Business, CMO, CIO, Asahi India Glass Ltd.

Breakthrough technologies

On briefing about the breakthrough technologies, Khanna says, "State-of-the-art technologies for lamination and processing have made possible new types and varieties of glasses that enable the perfect blending of function and aesthetics - for both exterior and interior applications.

He adds, "New glazing technologies and trends are emerging. Few of the major trends are double low-E, smart glazing, fire-resistant glasses, facade retrofitting for

hotels, public buildings, schools, shopping malls, airports, theatres, parks, ships, and railways, as well as for industrial uses like machines, crane cabins, etc. It finds application as doors and windows, partitions, roofs, smoke screens, etc.

Ecosense

A new range under AIS's Ecosense range of high-performance glasses (the green standard in glass). The new range - Excel combines the best of functionalities with best-in-class eco-friendly features. Ecosense Excel is a specialised green building glass with advanced solar control and low-E properties. This glass product comes with excellent thermal insulation and best-in-class solar control performance. Excel (Double Low-E glass) can be used in a number of applications, like structural glazing, facade glazing, bolted systems, curtain walling and fenestration applications, insulated glazing units, laminated double glazed units, laminated, heat treated and bent glazing units.

Swytchglas

AIS Swytchglas is really the cutting edge in glass technology which has the power to control transparency making it the smartest glass around. With AIS Swytchglas, one can turn the glass from transparent to translucent, with the click of a button. This presents a view into a whole new world of opportunities with glass.

It can be used as a stunning and practical design feature in homes, residences, corporate offices, hotels, retail outlets and salons. This intelligent glass can be used in a variety of applications. It acts as an ideal privacy solution in health and beauty salons, conference rooms, personal cabins and changing room cabins in retail outlets.