



**G**lass today, has become an integral part of the modern day architecture. Using glass in a building instantly adds a touch of modernity to the living space.

They not only give the designers the choice of finish & a manifest to their design aspirations, but also a wonderful chance to participate with the outside world. Glass, in fact, is the only building material which can not only give see-through properties but also the desired structural strength to be used in facades.

Glass ensures that the building gets ample natural light – making interiors look brighter and livelier reducing the need for artificial lighting and saving energy, or in other words, reducing the electricity bill. Ample light inside the home makes spaces look more spacious and roomy, an important factor to consider given today's shrinking living spaces in urban areas.

Energy Efficient Glass ranges from AIS, under the brand name of "Ecosense" provides the benefit reducing the heat gain in buildings due to its excellent energy saving properties without compromising on the natural light coming inside the building or the brilliant aesthetics that add value to the façade. And in winter, they ensure solar gain. So that no matter what the season, people inside stay comfortable at all times. Using energy-efficient glass also helps in ensuring that the interiors – and the occupants of

International and National Green Standards, making it the natural choice as a Green Building solution. Ecosense performance parameters like Visual Light Transmission, Solar Factor, U-Value and Internal Reflection make buildings more efficient and ecologically viable.

These energy efficient glasses, when used properly can reduce the total energy consumption by anywhere between 8-10% of the total energy consumed & hence the accrued benefits of using these glasses keep growing over the years. Furthermore, it is not just the recurring savings but also the reduction in the capex because of the lower energy loads required for conditioning the building. Typically the heat gained/lost through Glazing in a normal building in India is anywhere between 40-50% and using the right type of glass can bring down the energy consumption by 30-40% (only Glazing). The incremental cost for the high performance glazing can be recovered in a time span of 3-4 years.

Until a few years back energy efficiency was neither a practice nor a fad in the country. However with the launch of the Energy Conservation Building Codes (ECBC), concurrently accompanied by the gain in popularity of the Green Building practices, users alike, builders & architects started looking at ways to reduce energy consumption in buildings. Both ECBC & Green Buildings were taking small steps in

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the home – feel more comfortable.

Ecosense comes in two ranges – Enhance (Solar Control) and Exceed (Solar Control Low-E) high performance Glasses. Ideal for solar and thermal insulating parameters, Ecosense combines aesthetics with environmental sensibility and conforms to all

that direction.

So no matter which perspective you look at it from – aesthetics, modernity, elegance, adding a sense of space to interiors and of course, monetary savings – making homes energy efficient with glass perfectly makes sense. ■