

Building Sustainability

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For a better environment - Building Sustainability

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Building Sustainability For a better environment

Building sustainability has been widely talked about in terms of energy conversation though sustainable building solutions. However, companies need to balance occupants' comfort level as it is an important determinant to work productivity. Therefore, air-conditioning and internal lighting has been greatly used.

Not only does glass provides flexibility in terms of aesthetics and maintenance but it is also improved through enhanced technology, making traditional glass a thing of the past. "Smart glass" can help to realize win-win situations such as a reduction of infrared and UV light while allowing a high level of visible light through. Lesser energy is consumed through the generation of electricity to boost the air-conditioning system and lighting. Safely speaking, it also protects and enhanced biodiversity and ecosystems in the long run.

Low Emissivity Glass

Prevents unwanted heating of interiors while maximizing daylight into the building

VariShield

An intuitive glass solution which tints when exposed to direct sunlight. This effectively balances the excess sunlight and heat gain problem by reducing glare and also causing a heat reduction of up to 80% as opposed to traditional glass.

Self-Cleaning VariShield

Low-maintenance glass - UV rays breaks down organic dirt on the glass while rainwater washes the dirt away neatly

RetroLux

Using complementary louvres (Types O and U) to retro reflect sun rays out and to redirect light into the interior.

Together, it prevents overheating of the interior with SHGC of as low as 0.1 while maximizing daylight illumination.

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