

How to Determine the Best Material for Your Facade

(Kalwall® vs. Glass)

ARE YOU DAYLIGHTING?

YES

NO

What matters more?

You're not building for people

According to a study in the Journal of Clinical Sleep Medicine, workers in windowless environments scored lower in physical well-being and sleep habits than counterparts in workplaces with significantly more daylight.

Diffusion

The power of diffusion scatters visible light waves, providing balanced light that penetrates deeper into interiors, reducing the need for artificial light.

Vision

Vision glazing provides the benefits of connecting occupants with the outdoors. However, vision glazing systems have limited ability to control heat loss, solar gain and a glare.

Achieving energy savings

Today energy savings and sustainable design are key to material decisions, and all materials have been evolving to meet these needs.

Does strength matter?

Does privacy matter?

YES

NO

YES

NO

Glass

Glass

KALWALL®

Kalwall has been harvesting daylight without sacrificing thermal performance since its inception. Kalwall's ability to tailor visible light transmission (VLT), thermal insulation values and solar heat gain control properties allow specifiers to customize properties based on light level targets, climate zones and building type, as well as building orientation and microclimatic considerations. No other fenestration product performs better at reducing HVAC heating and cooling loads while harvesting daylight to reduce reliance on artificial lighting.

KALWALL®

In addition to museum-quality daylighting™, Kalwall offers all the strength of a structural sandwich panel, while being lightweight for easy installation and requiring less supporting structure - something no insulated glass unit can match.

KALWALL®

If you're building for people, daylighting is critical but so is privacy. Kalwall blocks line of sight, which is especially important in schools and public places. However, Kalwall can be unitized with fixed or operable windows to provide a connection with the outdoors.

Daylighting is the controlled admission of natural light, direct sunlight, and diffused-skylight into a building. By providing a direct link to the dynamic and perpetually evolving patterns of outdoor illumination, daylighting helps create a visually stimulating and productive environment for building occupants, while reducing as much as one-third of total building energy costs.

Kalwall benefits:



museum-quality daylight™



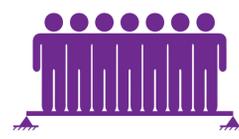
energy savings



comfort + wellness



productivity



structural performance



lightweight materials



low maintenance



safety + security



blast protection