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
- Safety + security
- Low maintenance

**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.

**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.

**Diffusion**

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

**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?**

**Yes**

**No**

**Glass**

Special tints or coatings on vision glazing can help control solar heat gain, but even gas-filled double and triple glazed IGUs cannot match Kalwall's thermal performance.

**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 meet varied building design requirements, from school buildings to hospitals, pilgrimage centers and museums.

**KALWALL**

In addition to museum-quality daylight™, 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.

**Does privacy matter?**

**Yes**

**No**

**Glass**

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 utilized with fixed or operable windows to provide a connection with the outdoors.

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