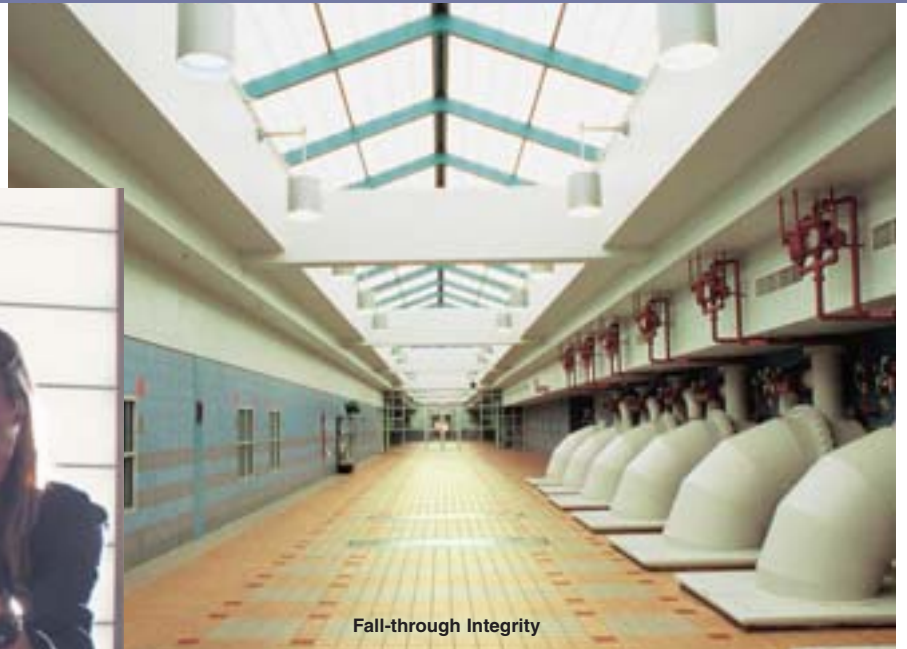


Since 1955  
**Kalwall**®

**Safety and Security approved daylighting**



Fall-through Integrity



Line-of-sight Protection



Wind-borne Debris Protection



Blast Protection

## The Safest Place Under the Sun

*Kalwall has been an innovator in the science and art of daylighting solutions meeting the architectural demands of creating aesthetically pleasing buildings that are healthy, safe and inspiring. Today, Kalwall is on the leading edge of building systems that meet the challenges of a changing world.*

## Anti-Terrorism Force Protection

Exterior line-of-sight vulnerability of building occupants is eliminated when incorporating translucent Kalwall Wall, Curtainwall or Window Systems. While eliminating the concerns of clear fenestration, translucent Kalwall fills any space with balanced glare-free daylight. Kalwall is compliant with ASTM E1642 and UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings. In the case of explosions, Kalwall's inherent properties improve potential occupant safety by not contributing to dangerous flying debris.



## Explosion Venting

Kalwall Explosion Venting Wall Panel Systems can be incorporated into any building. Should an explosion occur, the dynamic pressures that can cause a structure's collapse are automatically vented. Designed and manufactured to FM 4440 standards, Kalwall's Explosion Venting Wall Panels are released from their mounting system, yet remain attached to the structure to avoid exterior flying debris. In many cases, the panels can be reinstalled later.



## **Hurricane-performance Standard**

The superior structural integrity of Kalwall meets the most demanding weather conditions on the planet. Kalwall meets and exceeds hurricane standards ASTM E1886 and E1996, including the punishing flying debris cannon test promulgated originally in the Florida Building Code. Kalwall has also successfully passed testing to ASTM E331 Water Penetration, ASTM E283-91 Air Leakage and ASTM E330-90 Structural Performance.

## **High Wind, Hail and Snow Load**

Designed in accordance with ICC-ES, ASCE 7 methods and approved to FM 4881 and 4471 Wall and Roof System standards, Kalwall stands tough in extreme conditions from high winds and desert sands to hail storms and intense snow loads.

## **Earthquake Zones**

The superior structural integrity and flexibility of the Kalwall system meets the most demanding seismic codes and is very well suited for earthquake zone applications. The system is uniquely engineered to withstand a building's shaking, twisting and distortion during tremors and quakes – shatterproof.



Since 1955  
**Kalwall**<sup>®</sup>

## **Safety and Security Approved**

- *Super Insulation*
- *LEED<sup>®</sup> Point Opportunities*
- *Solar Control*
- *Virtually Maintenance-free*
- *Over 50-year Track Record*
- *Museum-quality Daylight<sup>™</sup>*
- *Military/GSA/Government Facility Installations Worldwide*

## **Fall-through Integrity**

The safety of building maintenance crews and the liability of individuals inappropriately interacting with a building's exterior are often unspoken concerns for any building with skylights. Kalwall skylights stand tough and can be walked upon. Approved to ASTM E661, every Kalwall Skylight and Skyroof<sup>®</sup> exceed the safety requirements of OSHA 1910.23 without the additional need for external screens or fixed standard railings.

## **Vandal Resistant**

The maintenance expense of vandalism is a major concern regarding the ongoing expense of a building. Unlike glass, Kalwall is highly vandal-resistant. Thrown rocks, and even bricks, bounce off the surface of Kalwall. And even painted-on graffiti is easily removable. Optional extra-high impact faces withstand extraordinary impact forces in accordance with UL 972 standards. A building incorporating Kalwall is more resistant to breaking and entering.

## Fire Safety

A thermoset FRP/aluminum composite that will not melt; the Kalwall panel has many optional fire reaction capabilities. Call us today for code compliance regarding your specific requirements, including spread of flame, time to ignition, and fuel contribution regulations worldwide.

## Healthy Daylighting

Science has proven the health benefits of sunlight. Employees are more productive, students learn better, absenteeism is reduced, and customers are more comfortable and even spend more money when shopping under daylight. But medical science warns of the potential life-threatening health dangers when humans are overexposed to sunlight and certain spectra of the sun's ultraviolet rays. Kalwall filters out those damaging rays while providing occupants with the health and therapeutic values of managed, glare-free daylighting.

## Testing ... Certification ... R & D

Kalwall's over 50 years of development and innovation offers designers, architects, contractors, building owners and operators a reliable, single source for daylighting. Kalwall meets or exceeds the most demanding code requirements and is on the forefront of code compliance. Testing by third-party, recognized laboratories and ongoing in-house testing has resulted in technologies and performance to help with the safety and security of building occupants.



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Since 1955  
**Kalwall**® 50+ Years of Innovation!

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