



# LightWise<sup>®</sup>

Architectural Systems

## BLAST RESISTANT GLASS BLOCK PANELS

### **MAKES THREATS LESS THREATENING BY MAKING IMPACTS LESS IMPACTFUL.**

Our blast resistant panels have been designed and tested to meet and exceed stringent government, military and international building requirements to give you the beauty of glass with the utmost protection.

Many injuries to building occupants are caused by glass fragments sent flying through the air from the force of a blast. Unlike laminated flat glass, which will often crack and sometimes release fragments during a blast, there was no cracking or loss of glass in the tests conducted on our Seves LightWise<sup>®</sup> Architectural Systems Blast Resistant Glass Block Panels.

- ASTM F 1642
- GSA - TS01 - 2003 • DOD UFC 04 - 010 - 01
- Enhanced Protection For Building Occupants
- Greater Security Than Conventional Windows
- Meets GSA and UFC 04-010-01 Blast Glass Standards
- Complies With Numerous Blast Standards & Requirements



## Blast-Resistant Glass Block Windows

LightWise® Architectural Systems Blast-Resistant Glass Block Panels let in light while providing privacy and protection from various levels of blast. They are the perfect choice for high-risk buildings such as military facilities, airports, government offices, embassies, courthouses, correctional facilities, arenas, financial centers, offices and other high-profile public and retail spaces.

### System Security Features

- Meets GSA and UFC 04-0110-01 blast glass standards
- Offers enhanced protection to building occupants
- Provides greater security than conventional windows
- Reduces hazardous glass fragments
- No cracking or loss of glass during testing

Engineering analysis supplemented with shock tube testing performed by an independent laboratory has determined that Lightwise® Architectural Systems Blast-Resistant Glass Block Panels with sizes ranging from 4' x 4' to 8' x 8' perform to an ASTM "Minimal Hazard" or GSA

### "Performance Condition 2" or Better For:

- General Services Administration (GSA) Level C and Level D

**Unified Facilities Criteria (UFC) DoD Minimum Anti-terrorism Standards for Buildings Type I threats at 25m and 45m standoff distance and Type II threats at 10m and 25m standoff distance.**

- For Petrochemical applications, a successful blast test of longer duration was also performed

**Smaller and larger windows are available. Contact Seves Glass Block for more information**

## System Facts

LightWise® Architectural Systems Blast-Resistant Glass Block Panels consist of glass block framed by a 2-piece aluminum channel. Standard channel is mill finished, anodized clear or bronze. Powder coating is also available.

## Glass Block Patterns Available:



NUBIO



CLARITY



ENDURA



## System Design Features:

- Visually stunning, prefabricated panels are easy to install
- Customizable to meet project needs
- Designed to meet your performance requirements
- Useful for daylighting strategies
- Available with a range of visibility and privacy options
- Graffiti-resistant, damage-resistant, and easy to clean
- Panels can be installed from either the interior or exterior of a building.
- Real glass is easy to maintain unlike films or plastic which scratch easily
- Real glass will not yellow over time unlike films or plastic.
- Possibilities are limited only by your imagination

Seves Glass Block Inc. has a sales and technical support team that is ready to help you design, engineer and specify glass block solutions. Please visit our website.

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