



BLAST RESISTANT

MADE IN AMERICA 

MAKES THREATS LESS THREATENING — BY MAKING IMPACTS LESS IMPACTFUL.

Our patent-pending 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.

LightWise® Architectural Systems Blast-Resistant Glass Block Panels

- Greater security than conventional windows
- Enhanced protection for building occupants
- Meets GSA and UFC 04-010-01 blast glass standards

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 LightWise® Architectural Systems Blast-Resistant Glass Block Panels.



LightWise® Architectural Systems Blast-Resistant Glass Block Panels

Blast-Resistant Glass Block Panels

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 04-010-01 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 Antiterrorism Standards for Buildings Type I threats at 25m and 45m standoff distances and Type II threats at 10m and 25m standoff distances
- For Petrochemical applications, a successful blast test of longer duration was also performed

Smaller and larger windows are available. Contact Pittsburgh Corning 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



DECORA®
Pattern



VUE®
Pattern



ENDURA™
Pattern

System Design Features

- Visually stunning, pre-fabricated panels are easy to install
- Customizable to meet project needs
- Guaranteed to meet your performance requirements
- Useful for daylighting strategies and can contribute to LEED points
- 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 plastics, which scratch easily
- Real glass will not yellow over time unlike films or plastics
- Possibilities are limited only by your imagination

Pittsburgh Corning has a sales and technical support team that is ready to help you design, engineer and specify glass block solutions. Please visit our website at Pittsburghcorning.com or call 800-871-9918 for assistance.



PITTSBURGH CORNING™

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