GLASS LOCK®
DESIGNED PROTECTION™

Uncompromised Security, Enhanced Protection

Protecting people and information is GlassLock's mission — a mission we undertake every day for government and commercial customers. At GlassLock we combine many years of technical expertise and project experience to provide the best in customized protective glazing.

GlassLock is the industry leader in providing both hazard protection and eavesdropping countermeasures for window systems. We are the leader because we provide innovative, customized solutions, rather than off-the-shelf products with limited benefits. Whether we're securing a new building under construction or retro-fitting an existing structure, GlassLock offers complete turnkey service, including site surveys and installation procedures tailored for each facility.

The challenge in protecting people and information never has been greater. Windows face both natural threats, such as hurricanes and windstorms, earthquakes and spontaneous glass failure, as well as man-made threats, including forced entry and bomb blasts. Similarly, as new technologies – particularly, wireless technology – proliferates in the workplace and other settings, transmitted information is increasingly vulnerable to remote eavesdropping.

Whether a government agency, military installation, commercial business or public venue, everyone faces growing safety and security needs. GlassLock meets these needs with its high-quality products and services. Our ForceDefender™ protective glazing systems are protecting millions of people around the world daily.

ForceDefender protective glazing systems include primary and secondary windows, doors, blast blinds, store fronts, catch bar systems, ballistic resistant glazing, mullion and lobby reinforcement, masonry anchors, FRF and architectural glazing anchors.

To address eavesdropping threats, GlassLock offers a complete product line of patented window solutions and architectural coatings called SpyGuard.™ Tested at the highest government levels and proven to mitigate all forms of electronic eavesdropping, SpyGuard products provide Tempest and Wireless (802.11) security requirements mitigation. Also available in fragment retention film and ballistic layups, SpyGuard can provide total physical protection and information security in one installation.

GlassLock products are backed up by exceptional service, from assessment and design to project planning and execution, including installation and maintenance.

Protecting the homeland one building at a time.

Glass Failure, Glass Hazard

"Architectural glass has been used in buildings for centuries, but the recent use of larger areas of glass and the desire to minimize or remove the supporting structure, has placed greater demand on the glass as a structural material."

— University of BATH Center for Structural and Architectural Engineering

"…the building is almost completely made to resemble a glass house, which could be devastating in an emergency scenario…that is to say, that when shattered, each piece of glass becomes a potential flying piece of cutthroat shrapnel!"

— excerpt from an Al Qaida operative's potential target assessment report

By enhancing the aesthetics of buildings with glass, they are made more susceptible to glass failure and terrorist attacks.

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Standing Up to the Test

GlassLock is the first company to conduct large-scale blast testing of retrofit safety flim-to-glass products to the GSA Performance Criteria.

In 1996 our initial tests were conducted in accordance with the first draft of the GSA Glazing Hazard Criteria guideline. Before these tests, there was no empirical data, just anecdotal information based on the past use of FRF by both the Department of State and the British government. GlassLock's experience and performance data were instrumental in the development of the current GSA Glazing Hazard Rating Criteria.

A Note on "Balanced Design"

Many people, including some engineers and architects, think of windows as just glass. Anti-terrorism/Force Protection and Blast windows must be thought of as SYSTEMS. Window systems generally consist of:

- Glazing (glass or polycarbonate)
- Gaskets and Seals
- Framing
- Anchorages
- Supporting Structures

A "Balanced Design" is essential for window systems so that an Anti-terrorism/Force Protection or Blast window is not attached to a supporting structure that is significantly weaker than the glazing, framing and anchorage of the whole. This approach is critical to ensure that the glazing is the weakest link in the design and that it achieves the required level of performance when combined with the framing, anchorage and supporting structure. The entire premise of "Balanced Design" is to equalize the capacities of the window systems with the rest of the structure (walls, building frame, roof, etc.). In this way the windows will achieve the required level of protection without premature failure or without being negatively affected by the other structural components that are significantly different in their behavior under load.

"Balanced Design" is recommended by blast engineering experts.

Since 1989, GlassLock has been providing designed solutions to clients nationwide and abroad.

Project Performance Worldwide

Federal Government:

Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)
Department of State (DOS)
Department of Housing and Urban Development
DoD – All components
Drug Enforcement Agency (DEA)
Environmental Protection Agency (EPA)
Federal Bureau of Investigation (FBI)
Federal Reserve Banks
Food and Drug Administration (FDA)
General Services Administration (GSA)
Inter-American Development Bank (IADB) Washington, DC
Internal Revenue Service (IRS)
National Gallery of Art, Washington, DC
National Park Service
Office of Management and Budget
Smithsonian Museums, Washington, DC
United States Court House, Washington, DC

International:

American Consulate General, Tijuana
American Consulate General, Florence
American Embassy, Rome
American Embassy, Stockholm
American Embassy, Vatican City
AmerikaHaus, Cologne
United Kingdom Home Office
United Kingdom Ministry of Defence

Major Corporate/Commercial:

Apple Computer, Inc.
AOL
BAE
Hewlett-Packard
IBM
State of California
State of Hawaii

GlassLock — industry leader in the design and installation of Protective Glazing Systems

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GSA Schedule
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