



## **STERGIS BLAST MITIGATION** Window System

Stergis recognized the need for a higher level of protection in a wider range of products for Blast Mitigation Window and Entry Systems. They have successfully researched and engineered solutions for both Government and private clients. We are committed to an ongoing testing program for all these product in compliance with all applicable standards.

### Features

- ISC security design criteria approved
- Storefront, Curtain Wall, Entrance and Window Systems
- Glass Clad Polycarbonate Glazing
- Custom Glazing Configurations



## STERGIS BLAST MITIGATION

### Window System

#### Performance Features

- Anti-Terrorist Blast Mitigation
- Deflects airborne forces
- Absorbs blast energy
- Flying glass debris reduced
- Complete anchor and trim system

#### Current Guideline Specifications

- ASTM F 1642
- GSA-TS01-2003
- UFC 4-010-01
- ASTM E 1300
- ASTM F 2248
- AAMA 510-06



#### ISC Security Design Criteria Blast Protection Levels for Windows

Performance Condition	Protection Level	Hazard Level	Description of Window Glazing Response
1	Safe	None	Glazing does not break. No visible damage to glazing or frame.
2	Very High	None	Glazing cracks but is retained by the frame. Dusting or very small fragments near sill or on floor acceptable.
3a	High	Very Low	Glazing cracks. Fragments enter space and land on floor no further than 3.3 ft. from the window.
3b	High	Low	Glazing cracks. Fragments enter space and land on floor no further than 10 ft. from the window.
4	Medium	Medium	Glazing cracks. Fragments enter space and land on floor and impact a vertical witness panel at a distance of no more than 10 ft. from the window at a height of no greater than 2 ft. above the floor.
5	Low	High	Glazing cracks and window system fails catastrophically. Fragments enter space and land on floor and impact a vertical witness panel at a distance of no more than 10 ft. from the window at a height greater than 2 ft. above the floor.



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