

Windows

Windows

FE/Ballistic/Blast Rated



Defense Systems
Force Protection Experts

About G.G. Defense Systems Ltd.

- Founded in 2007, our company offers solutions for various defense and HLS threats from blast mitigation to ballistic protection, from simple vandalism crimes to massive terrorist attacks.
- Our company provides solutions for complex protection applications, combining experience in force protection solutions and an extensive knowledge of materials and technologies.
- Our range of products and solutions comprise also light composite ballistic panels, personal protective plates and bullet-proof body armor.

Our Clients



Windows: Force Protection Windows

- G.G. Defense Systems (GGDS) offers its customers a variety of force-protection windows against different potential threats:
- Blast resistant windows
- Ballistic rated windows
- Forced entry rated windows



Windows: Blast Resistant Windows

G.G. Defense Systems specializes in the design, manufacturing and installation of blast-resistant windows that are tested in live blast tests in Israel and abroad according to projects requirements and international standards. Our company can provide a large variety of window types such as fixed, sliding, awning, tilt and more...

The company's blast-resistant windows are tested for blast levels reaching up to 70 Psi (reflected pressure) and 320 Psi *Msec (reflected impulse). G.G Defense also tests its windows for a combined threat of both blast and shrapnel upon client's request and project specifications.

Our company's blast-resistant windows are manufactured from customized steel or aluminum profiles which along with GGDS unique balance design ensure the durability of the windows under high blasts with the highest protection level complying with GSA Level 1 rating for windows, in accordance with the American standard GSA TS01-2003, while maintaining a highly aesthetic appearance and maximum clear opening.

The company's blast-resistant windows can be installed in openings in concrete walls or cement blocks (combined with a top-of-the-line blast-resistant fabric to prevent the walls of the building from collapsing in the event of a blast).

G.G. Defense System blast-resistant windows can also incorporate an additional combined protection from ballistic and forced-entry threats.



Windows: Ballistic Rated Windows

G.G. Defense Systems specializes in the design, manufacturing and installation of Ballistic rated windows that are tested in live shooting tests both in Israel and abroad according to project requirements and different international standards. Our company can provide a large variety of window types such as fixed, sliding, awning, tilt and more... The company's windows are tested and approved according to the highest ballistic levels in accordance with American standards (NIJ 010801 level IV), European (EN-1522 FB7, EN-1063 BR7) and NATO (STANAG-4569 Level 5).

The company's windows are made of unique steel and/or aluminum profiles that include ballistic armor steel inserts that prevent bullet penetration from every possible angle in accordance with European and other international standards such as EN 1522 FB-7, while maintaining a highly aesthetic appearance and maximum clear opening.

Our company's ballistic rated windows can also come in the form of a transaction window which includes a ballistic rated transaction document drawer of various types (fixed, sliding, recessed, etc...)

G.G. Defense Systems' ballistic rated windows can be installed in openings in concrete walls or cement blocks (combined with a top-of-the-line ballistic rated light composite armor and or armor steel panels to ensure full ballistic protection for the walls in the case of ballistic attacks).

G.G. Defense Systems ballistic rated windows can be integrated with protection from blast, ballistic and forced-entry combined attempts.



Windows: Forced-Entry Windows

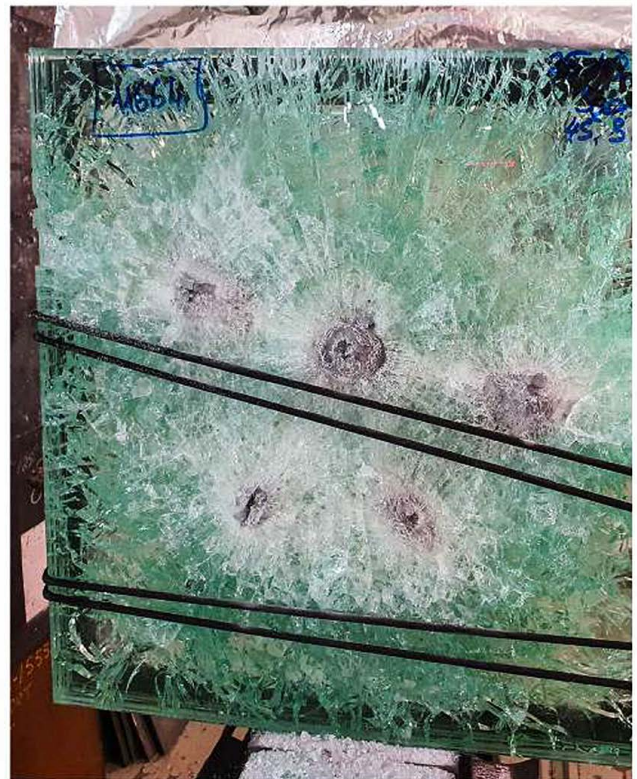
G.G. Defense Systems specializes in the production and installation of forced-entry rated windows which are tested in Israel and abroad according to project requirements and relevant international standards like the EN 1627 RC4 and or the Israeli governmental standard. The company has several models of forced-entry windows as: fixed, tilt, sliding and more.

The company's windows are made of unique steel and or aluminum profiles which are tested together with forced-entry glass, using various forced-entry tools. These tools include manual ones such as: different axes, 5 kg hammers, various types of crow bars, screwdrivers, hand saws and more. G.G. Defense Systems also provides windows that offer protection at the highest levels according to European and Israeli standards, including electric burglary tools such as: various electric discs, electric drills, various chainsaws, screwdrivers, hammers and more.



Windows: Tested to the Highest Levels of Ballistic Resistance

- Tested to the Highest Level of Ballistic Resistance: EN-1522 FB7, EN- 4569 up to STANAG 5.
- High Level of Blast Resistance: up to 320 PSI*MSEC.
- High level of Forced Entry: 15 minutes of Forced Entry attempts according to International Standards (Including the EN 1627 RC4).
- Window Types: Fixed, Sliding, Operable , Awning, Outer Fences, Curtain Walls, Secondary Glazing systems, Ballistic Rated Glass Stands.
- Designed to withstand extreme weather conditions with long lasting resilience.





Defense Systems

Force Protection Experts

G.G. Defense Systems Ltd.

23 Adom St, Kanot Industrial Zone, 7982500, Israel

Tel: +972-8-670-4007

Fax: +972-3-578-0115

Email 1: raz@ggds.co.il

Email 2: office@ggds.co.il

GGDS Web Site: <https://gg-ds.com/>

PARB Website: <https://gg-ds.com/parb/>

