

Premier

™

Security Ballistic & Blast Ltd



BLAST- RESISTANT DOORSETS AND GLASS



Product Catalogue

+44 (0) 208 559 8295 sales@premier-ssl.com www.premier-ssl.com

BLAST-RESISTANT CURTAIN-WALLING & DOORS

Blast protection is one of today's biggest challenges. Whether you are looking for blast-resistant curtain-walling, doors, windows or other building elements, Premier Security Ballistic & Blast Ltd will have the solution to hand. A Petro-chemical blast may be regarded as different to that of a terrorist blast attack but fundamentally, blast doors and windows will have to perform the same task – protecting people, places and possessions.

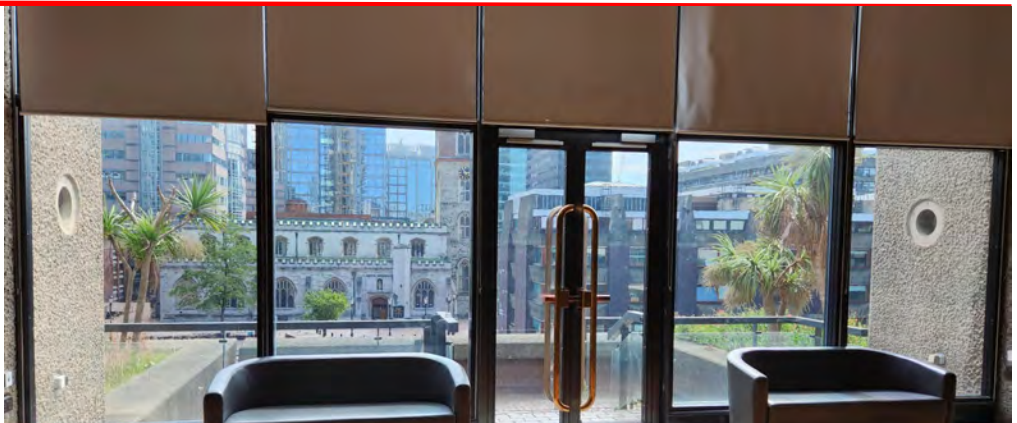
BESPOKE MANUFACTURE

Blast effects will vary with regard to circumstance, but no matter whether the requirement for your blast doors or blast windows is specified in EXV, C15, C25, C30, C45 or Kilopascals, PSI, N/m², kN/m², or by type of blast/bomb e.g. pipe bombs, fragmentation, IED's*, vehicle or hand delivered charges Premier Security can manufacture bespoke blast doors to meet your specific requirements. In house blast modelling, testing and calculations underpin our steel blast and timber composite blast door-sets. From functional powder coated steel finish blast doors to prestigious veneered blast doors our fully trained Technical Department will have the answer and the product to suit your specific needs. *improvised explosive device/vehicle-borne improvised explosive device.



BLAST-RESISTANT GLASS

The purpose of blast-resistant glazing is to reduce the risk of injury to building occupants. The performance of the blast-resistant glazing has to be validated by testing evidence. The first design step is to define the explosive loading. This is best specified as blast pressure and impulse, which can be derived from a charge weight and standoff. This is often described as *the threat*. In designing blast-resistant glazing, it is usually accepted that some degree of damage to the glass is almost inevitable. The second design step is to agree the acceptable risk within the building. This is normally specified as the *acceptable hazard level*. Glazing refers to both windows and glazed facade systems. It is important to consider the window or facade as a system. This includes the glass, the gasket or sealant, the frame, the fixing of the frame, and the support system.



PRODUCTS

BLAST WINDOWS

Severity and type of injury patterns incurred in explosive events may be related to the level of structural damage. The high pressure of the air-blast that enters through broken windows can cause eardrum damage and lung collapse. As the air-blast damages the building components in its path, missiles are generated that cause impact injuries.

Airborne glass fragments typically cause penetration or laceration-type injuries. Larger fragments may cause non-penetrating, or blunt trauma, injuries. Finally, the air-blast pressures can cause occupants to be bodily thrown against objects or to fall.

Lacerations due to high-velocity flying glass fragments have been responsible for a significant portion of the injuries received in explosion incidents.

Premier Security Ballistic & Blast Ltd can manufacture a range of blast resistant windows to protect against terrorist and longer duration petrochemical explosions.

Please email <mailto:sales@premier-ssl.com> or call +44(0) 208 559 8295 so we can discuss your specific requirements.



Blast Products

Blast-Resistant Curtain-walling

Blast Resistant Glass

Blast-resistant windows

Blast Resistant Doors

Security Counters :Physical, Ballistic or Blast Resistant Counters for any application to keep staff secure

Blast Louvres: Bespoke products designed to allow passage of air whilst offering bullet and blast protection

TESTED LEVELS

EXV 10

EXV 12

EXV 15 (Curtain-walling)

EXV 25 (Doors single/double) Solid

EXV 25 (Glazed)



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