

SECURABLINDS® BLAST PROTECTION

Blasts come from a variety of sources from ruptured cylinders and extreme weather to chemical reactions and terrorist bombs. SECURABLINDS® security systems have been subjected to numerous blast trials since 2000.

The integrity of the **Securablinds®** Blast Blinds has been fully tested by the following independent organisations:

DNV GL'S WORLD LEADING TEST CENTRE

Spadeadam test site is a unique facility carrying out research and technical service work for the oil and gas process and energy industries, construction industries as well as government agencies.

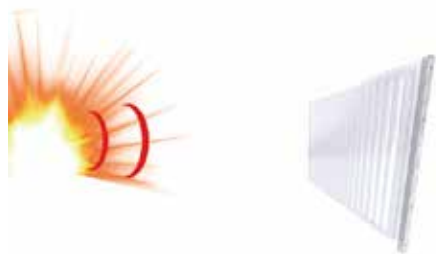
With qualified explosives engineers, DNV GL has the facilities and expertise to carry out trials involving the use of high explosives for a wide variety of purposes.

COMBLAST BLAST TESTING

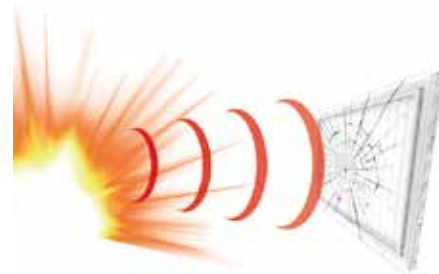
Comblast offers blast testing to internationally recognised standards using arena trials where a number of samples are tested using a single charge typically 100kg to 500kg TNT equivalent.

HOW DO SECURABLINDS® BLAST WORK?

The blast is absorbed by the blind protecting occupants and contents in the building.



1. A blast occurs radiating out a pressure wave in all directions.



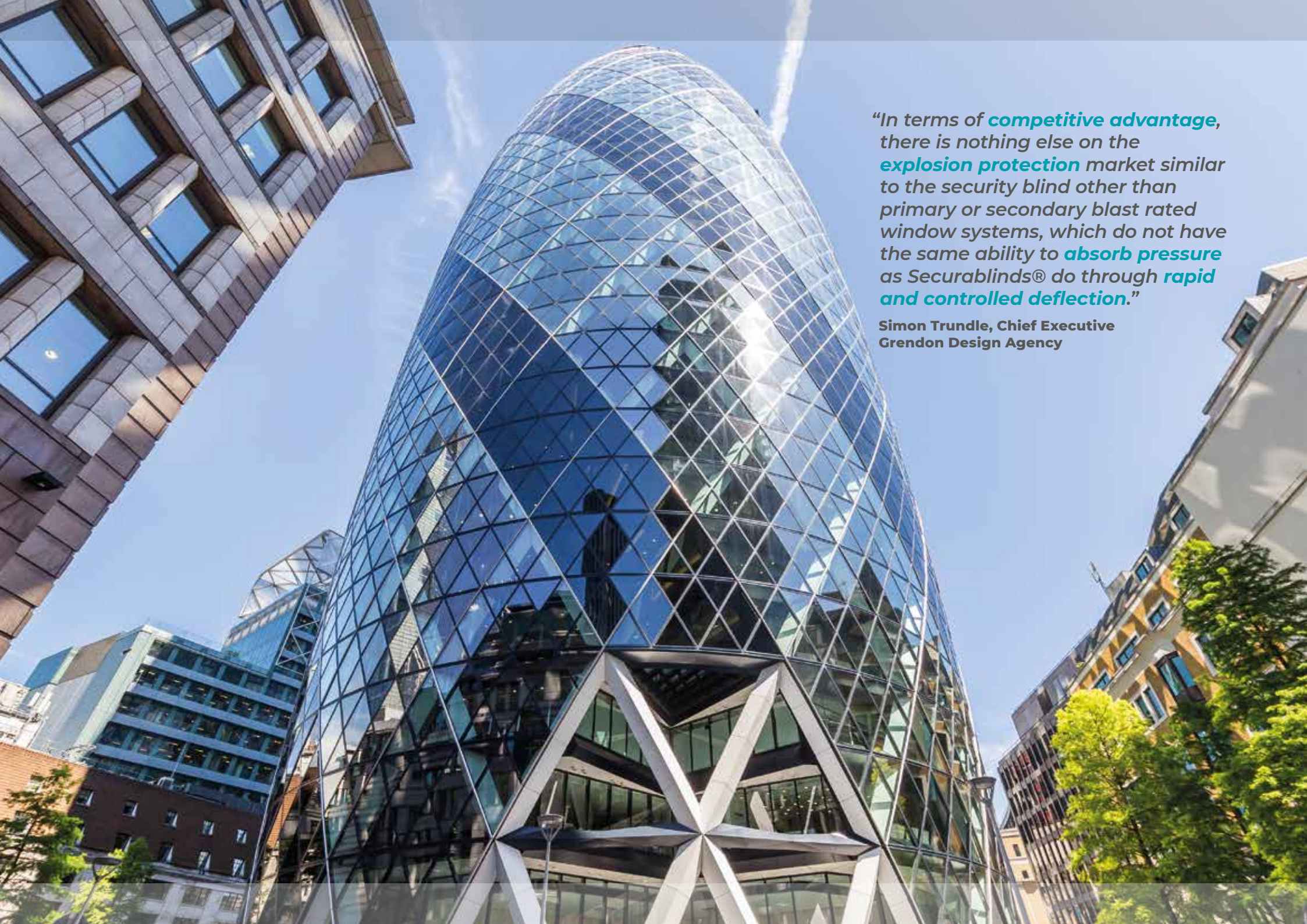
2. The pressure wave smashes the window forcing the glass and anti-shatter film or polycarbonate trigger to automatically shut the blinds.



3. The **Securablinds®** Blast Blind then absorbs the force of the pressure wave, stopping glass shrapnel and other blast debris entering the building.



4. The negative phase of the blast wave then draws the glass and debris back towards where the blast went off.



*“In terms of **competitive advantage**, there is nothing else on the **explosion protection** market similar to the security blind other than primary or secondary blast rated window systems, which do not have the same ability to **absorb pressure** as Securablinds® do through **rapid and controlled deflection**.”*

**Simon Trundle, Chief Executive
Grendon Design Agency**

ARENA TEST RESULTS

Below you can see minimal damage to the Securablinds® Blast Blind after detonating 100kg TNT equivalent 31 metres away. The negative phase of the blast has drawn the anti shatter film and glass shrapnel back towards the source but the blinds remain firmly in place



The images below and show the detonating of a 500kg TNT equivalent blast at 28 metres. The controlled deformation or bowing of the blades demonstrates how Securablinds® absorb the full impact of the 500kg explosion.





In less than

10 milliseconds, our
Securablinds®

protects from blast and lethal glass shrapnel



SECURABLINDS® DEFENDER

Our range of Securablinds® Defender products are ideal for forced entry prevention.

The Defender products mitigate against the number of casualties and damage to assets in the event of a hostile incursion from organised, resourced and committed burglars.

Whether it is people, money, jewellery, data, equipment, chemicals, weapons, drugs or any other assets your organisation wants to protect, Abbey Protect's experienced team of security consultants are drawn from specialist areas of global commercial security, covert law enforcement and counter terrorism protection.

Abbey Protect's products can be incorporated into your building to create safe zones to provide protected shelter areas. Our products can be custom manufactured for indoor and outdoor use and even positioned to create a defensive position.

Supporting the defence and commercial markets our products also include ballistic resistant window film, bollards, doors and barriers to mitigate against the ballistic threat from the perimeter of the building through to the rooms and corridors inside.

A NEW THREAT TO OLD INFRASTRUCTURE

The threat from the lone wolf, home-grown, off the radar terrorists who have been to war zones and trained in weapons use is relatively new. Most building construction has not caught up with this threat and they are not designed to protect people in the event of an attack. Abbey Protect can build resilience at critical points using our counter-terrorism expertise involving the use of resistant materials and products.





Departures

Platform	Destination	Train	Time
1	London	1234	17:15
2	Manchester	5678	17:20
3	Birmingham	9012	17:25
4	Cardiff	3456	17:30
5	Edinburgh	7890	17:35
6	Glasgow	1234	17:40
7	London	5678	17:45
8	Manchester	9012	17:50
9	Birmingham	3456	17:55
10	Cardiff	7890	18:00
11	Edinburgh	1234	18:05
12	Glasgow	5678	18:10
13	London	9012	18:15
14	Manchester	3456	18:20
15	Birmingham	7890	18:25
16	Cardiff	1234	18:30
17	Edinburgh	5678	18:35
18	Glasgow	9012	18:40
19	London	3456	18:45
20	Manchester	7890	18:50

67 countries recorded at least one death from terrorism in 2017

Source: Global Terrorism Index 2018

Liverpool Street
NEED THE TOILET?
Liverpool Street
NEED THE TOILET?
Liverpool Street

COMPATIBLE WITH EXISTING BUILDINGS & NEW BUILDS



Our Securablinds® are made to fit your building and can be retrofitted to existing building structures or incorporated into a new build project.

All products in the **Securablinds®** range can be adapted according to the vulnerabilities your organisation faces. Our **Securablinds®** Defender range of products are more suited to prevent forced entry or attack.

Our **Securablinds®** Blast range of products will protect your people and assets from a blast. The range shown on page 12 provides a flavour of the different styles we have available which can be powder coated in colours to suit your building's aesthetics.



Former
Canadian
High Commission,
protected by

SECURABLINDS®



SECURABLINDS® RANGE OF BLINDS

BLAST MITIGATION

Securablinds® range of blast blinds are made to suit the exact specifications of your building. Abbey Protect's range includes:

- » Left-hand or right-hand hung gate
- » Double gate
- » Fixed grille
- » Double lock grille

Our blinds are internally fitted behind a building's windows for a high level of blast protection against the effects of blast and lethal glass shrapnel.

FORCED ENTRY MITIGATION

Protecting your organisation from organised, resourced and committed burglars is more likely to be a primary concern to prevent people stealing your assets or kidnapping your staff. Whether it is people, money, jewellery, data, equipment, chemicals, weapons, drugs or any other assets your organisation wants to protect, Abbey Protect's experienced team of security consultants are drawn from specialist areas of global commercial security, covert law enforcement and counter terrorism protection.

Our range of **Securablinds®** Defender Products are designed to mitigate against forced entry



Securablinds® Blast



Securablinds® Blast Plus



Securablinds® Defender




Securablinds® Defender Plus



Securablinds® Defender Premium

SECURABLINDS® COMPARISON CHART

SECURABLINDS® PROVIDE DIFFERING LEVELS OF PROTECTION AGAINST A RANGE OF LEVELS OF THREAT.	DEFENDER	DEFENDER PLUS	DEFENDER PREMIUM	BLAST	BLAST PLUS
Forced Entry	✓	✓	✓	✓	✓
LPCB approved to LPS 1175: Issue 8 Security Rating B3 (SR2)	✓	X	X	X	X
Enhanced Forced Entry	X	✓	✓	✓	✓
NPSA Approved (Contact NPSA for details)	X	X	✓	X	X
Blast Mitigation 100 Kgs TNT Equivalent @ 30 metres	X	X	X	✓	✓
Blast Mitigation 500 Kgs TNT Equivalent @ 30 metres	X	X	X	X	✓
Durable and resilient, with a high core strength.	✓	✓	✓	✓	✓
Providing an impervious barrier between a high-level attack and the inside of a property.	✓	✓	✓	✓	✓
Blast Mitigation SECURABLINDS® have triggers incorporated to close within 10 milliseconds of the blast hitting the window.	X	X	X	✓	✓
Polyester powder coated aluminium blades able to rotate through 180° combining the conventional features of a window blind and the high strength of a security grille.	✓	✓	✓	✓	✓
Steel or Aluminium outer frame (depending upon style of product), steel inner frames, aluminium blades, high-tensile steel rods, stainless steel shoot-bolts.	✓	✓	✓	✓	✓
Locking bars (which clamp the blades shut.)	✓	✓	✓	X	X
SECURABLINDS® products come in a range of colours to suit your premises.	✓	✓	✓	✓	✓
No broken cords, strings or blades.	✓	✓	✓	✓	✓
Easy to maintain.	✓	✓	✓	✓	✓
SECURABLINDS® products provide a range of versatile configurations.	✓	✓	✓	✓	✓
SECURABLINDS® products are manufactured in accordance with ISO 9001:2015. 	✓	✓	✓	✓	✓

CANADA

GLOBAL SECURITY NETWORK

Security is a global issue and Abbey Protect has developed a network of global partners to ensure the relationships we build come with a local understanding. Closer networks ensure faster response and better communication.

USA

NETHERLANDS

BELGIUM

FRANCE

EGYPT

MAURITANIA

LIBYA

NIGER

SENEGAL

MALI

COTE D'IVOIRE

GHANA

NIGERIA

+44(0)151 Contact our
UK team on
363 6304
or email sales@abbeyprotect.com



The estimated economic impact of terrorism in **2017** was **US\$52 billion**



ENHANCING SECURITY : MITIGATING THREAT

SECURABLINDS®

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