SECURITY & DEFENCE PRODUCTS
SAFEGUARD YOUR FUTURE

BRITISH ALUMINIUM
British Aluminum offer unparalleled security and defense products for the private and military sector, protecting our clients from dangerous threats and attacks.

We are fabricators, distributors and partners of many large global organizations and armoring companies, for the Middle East and Far East region.

We have a large facility in Qatar, where we import, manufacture and supply fire, bullet and blast protection products onto buildings, parameters, guard houses, safe havens, panic rooms, vehicles and many more applications. Furthermore, our staff that are based all around the Globe, are readily available to visit clients and determine any threat and propose a bespoke solution for that project.

British Aluminium & UK Partners work side by side, supply armoured materials and assemblies for the protection of people and assets against bullet and blast attack.

We work with specifiers, architects and end users to supply workable security solutions across a wide range of government ministries and the private sector.

Our security management team have extensive experience of design, manufacture and installation of high security products, from attack resistant retail solutions to anti-ballistic measures within the military sector.

We are able to provide a highly personal approach, working with the client to meet their individual requirements and differing specifications, to ensure an effectively safe solution.
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To comply with the latest International specifications our windows, doors, buildings, armour and other bespoke architectural products have been independently tested and certified. Testing is carried out at internationally recognised test Centre’s within the UK, using the latest technologies to conduct a range of European and American tests.

Our blast windows were tested and certified by DNV GL at RAF Spadeadam. The charge was a 100Kg equivalence of TNT at a distance of 15 meters. The window achieved a classification of EXV15 (B) for the ISO 16933; 2007 Standard.

Ballistic testing is an ongoing discipline with many bespoke designs requiring certification. Most of our tests are conducted in the UK.

We are proud to hold a full range of test certificates for our doors, windows and armour products in European test standards EN 1063, EN 1522/1523 and the US specification NIJ0108.01. These incorporate the ballistic resistance to weapons from 9mm handguns to 7.62 rifles with AP ammunition.
British Aluminium are well known for our groundbreaking approach to design and manufacturing to the highest European and American standards.

Our in-house design team work with the latest software, offering a comprehensive service to ensure that the highest global safety standards are followed to meet our clients, unique and bespoke security requirements.

We pride ourselves on having the operational capacity to manufacture products from our 6,000m² facility in Doha or from our multiple security partners plants in the United Kingdom.

Having our own fabrication facility is an important part of our end-to-end service and allows us to achieve the highest levels of quality control whilst maintaining flexibility. This is key to our high customer service levels.

Utilising the latest manufacturing techniques and drawing on the years of experience within the workforce, we are able to offer the precision engineering needed to achieve the demanding blast, ballistic, fire and security specifications.

With a worldwide market for our high performance defence and security products, we are often asked to be involved in the installation. Our multiple installation teams are highly experienced and skilled in all aspects of the installation process.
FIRE RESISTANT DOORS AND GLAZING

British Aluminium are the first, and so far only company in the Middle East and Asia to specialise in the manufacture and installation of fire resistant aluminium, steel, wood and frameless fire resistant glazed doors, screens and facades.

We offer only the safest glazing solutions to defend against fires, smoke, hot toxic gases and heat radiation for up to 120 minutes (120EI). Using our unique aluminium, steel and timber fire resistant products in situations that threaten life or health, can buy time for safe evacuation, while also increasing chances to control the fire and reduce damage of property caused by fire.

Our fire systems are available in stainless steel for elegant and ambitious solutions.

British Aluminium rigorously test and certify all fire resistant products we manufacture and install, to the highest international fire safety standards to ensure every product sold is not only faultless, but is also traceable and accountable for, so our clients can permanently enjoy peace of mind, knowing their loved ones and property are safe.
British Aluminium can supply every level possible of bullet resistant doors and glazed products such as windows, doors and partitions. All are available in a wide range of high end materials such as steel, stainless steel, aluminium and timber.

The AK47 is often the weapon of choice in hostile environments, however it is important to mitigate the threat from all types of commonly used weapons, from handguns to rifles and even automatic weapons.

Independent ballistic testing to EN 1522/23 and EN 1063 demonstrate a product’s capability to protect against common calibers such as .357, .44, 5.56 and 7.62 NATO ammunition, but British Aluminium look further ahead, and also test products using AK47 ammunition as well as the US Standard NIJ 0108.01.

In some areas, a client may still look to use the original BS 5051 standards and we can also provide that.

We take the door leaf, doorframe, hinges, lock and the gaps between the doors into consideration when we design, fabricate and test our products, and we always test at an angle, as this is the hardest impact to resistant against.
British Aluminium and UK partners manufacture blast resistant doors and glazed screens that are engineered and tested for protecting life, assets and buildings from the threat of intentional and accidental blast attacks.

When a blast wave hits a standard door it will typically collapse into the building in the positive pressure phase.

The second element of the blast is the negative phase, which acts upon the doors and glazed windows and can cause them to be literally pulled from the building.

British Aluminium’s high performance blast doors and glazing products should be included in the early designs of a buildings that is under threat of a attack to provide a area that is prepared for potential blast attacks.

Our certified blast doors are individually designed and manufactured to meet the site specific blast requirements of our clients. They can be created in any range of timber, steel or even glazed designs to meet the architectural finishes of the project with a choice of ballistic ratings if required.
British Aluminium offer high performance aluminium, steel and wooden glazing systems dedicated to blocking sound transfer. The Acoustic doors and glazing we provide and install significantly decreases sound transmission, therefore protecting the effects loud and repetitive sounds can cause individuals such as damaging their mental health, causing stress, hearing loss, and sleep disruption.

British Aluminium manufacture acoustic windows that are tested and certified with acoustic seals that can withstand significant volumes of sound, reaching up to 65 dBA ratings.

Our acoustic windows and doors have been used for the following applications:

- Factory offices and enclosures
- Construction site offices
- Oil & gas plants
- Airports
- Military sites
- Laboratories
- Police stations
British Aluminium manufacture only the highest quality impact, hurricane and storm resistant doors and glazing products from the 6,000m2 facility in Qatar. All products are tested and approved with various certification bodies from Europe.

If a building is under threat of attack from hand welded weapons, we travel to site and survey the project and threat, only then can we design and produce a bespoke solution for our clients to protect lives, property and assets.

British Aluminium’s high performance glazing products also cover hurricane and storm damage. We can protect against winds over 150KMH.

Our certified Hurricane, Storm and Impact doors and glazing products are all readily available in our Qatar facility.
British Aluminium and UK partners manufacture blast and ballistic resistant guardhouses that are engineered and tested for protecting life, assets and buildings from the threat of intentional and accidental attacks.

With worldwide demand, from military installations to hotels, guardhouses are an essential part of the first line of operational security in every important building.

We understand the importance of a working design that offers full functionality while maintaining the ballistic integrity of the whole structure.

British Aluminium will analyze the threat of high speed fragments, stemming from accidental explosions, terrorist attacks as well as, for each project. If the protection requirements cannot be achieved through the inherent blast protection materials, additional protection systems can be designed and incorporated through ballistic and blast materials to create the perfect protection solutions.
British Aluminium and UK partners offer a design and build service for panic rooms and safe havens anywhere in the world.

We offer only the safest solutions, utilising our wide range of certified blast, ballistic and armour products. We can also construct hidden panic rooms through the use of mirrors and other high security doors that blend into the wall.

Our converted shipping containers are designed to offer a ballistic safe haven to multiple occupants. With our wide choice of armour, British Aluminium can offer protection from handguns to heavy-duty machine fire. Thanks to the modular design and the ability to convert them without altering the external appearance, they can be easily transported and deployed where they can sit alongside other containers in plain view.

Typical uses include:
- Office
- Meeting Rooms
- Search Room
- Guard Hut
- Workshop
- Canteen
- Armories
The Security Server is a mixture of a safe with all the functionality of a 19" server rack. The outer shell and locking system for Server Fortress comes from a gun and taser safe that is widely sold to the UK police. The actual cabinets are also manufactured in the same factory, so Server Fortress is very secure. Plus it has been thermally tested to 11 kW.

The safe
- 3mm thick steel housing completely seam welded and dressed
- Front and rear doors cannot be opened, even if the hinges are ground off
- Locking system based on traditional safe mechanism
- Three point locking bars
- Unique double screened vented doors that does not allow a direct line of sight to the equipment inside.

Standard Security Server dimensions
- Height 2,050 mm (excluding the secure top cable ducting system)
- Width 750 mm

The 19" server rack
- Vented front and rear doors providing the open area required to cool servers
- Fully adjustable front and rear 19" panel mounts, so the biggest servers and storage systems can be mounted inside
- Data cables can enter the cabinet from the top, at the sides or at the rear, via a locking top mounted cable ducting system
- Power can enter via secure access points either side, at the rear, top or bottom.
British Aluminium exclusively represent several vehicle and marine up armouring companies from the UK. From Handgun to RPG protection, British Aluminium have you covered.

There a little limitations to the unique lightweight armour materials tested and installed on our clients bespoke projects.

We have the capacity to up-armour almost any vehicle or ship on earth to protect personnel and save lives from blast and ballistic threats while travelling between safe protected areas.

Every armoured material offered in our range has been rigorously tested and holds numerous certifications to the highest global standards.
Blast protection is still the most demanding of all protection levels to achieve. Blast waves move in all directions and are channelled and funnelled by buildings of all shapes and sizes. They can literally be bent around objects when meeting buildings and obstacles. walls.

Of course, if we can predict this happening then we can take appropriate actions and also actually use this to our advantage and design out potential life threatening situations with the use of computational blast modelling and supported by tested and proven blast doors, blast windows and blast walls.

Increasing stand off distances to effectively move away the explosion is the quickest and easiest way in which to introduce blast protection. A simple traffic barrier can save thousands of dollars in window and door protection against blast effects.

Unfortunately this is not always the case and further blast measures to mitigate the threat to life and property may have to be implemented.

Our extensive range of products can meet these threats and supported by our in house technical department we will always be able to provide appropriate solutions.

No matter what or where your requirements are, British Aluminium and UK partners have you covered.
British Aluminium offer a selection of sheet armour in a range of ballistic protection levels that can either be incorporated into our own design, or supplied directly to clients.

**Polyethylene**
Polyethylene can be used for a variety of applications including armoured vehicles, marine vessels and other applications where ballistic protection is required.

Max panel size 1600mm x 1375mm.

Very lightweight with density at .97Kg/m²

**Aramid**
Aramid is a lower cost alternative to polyethylene and is lighter in density to GRP armours. The material is most commonly used as a spall liner or lightweight wall armour for safe havens where GRP is not suitable.

High impact strength.

Excellent fragmentation protection.

**GRP Armour**
This is the most cost-effective material for protecting high-risk premises where weight issues are not a priority. The ability to work the panels on site makes this the ideal material to retrofit to any existing structure.

Thicknesses from 7mm to 36mm.

Low cost product, on short delivery times.

**High Hard Steel**
Although heavier than composite alternatives, high hard steel offers superior protection against higher calibre rifles. Unlike the GRP armour steel is not easily worked on site. We can supply is several high hard options, all of which can be laser cut to size prior to delivery.

Thicknesses from 3mm to 60mm - Multi Hit Protection.
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CURRENT EXPORT MARKETS
Qatar - Kuwait - Sultanate Of Oman
Philippines - Malaysia - Singapore - Indonesia
India - Bangladesh