WHEREVER YOU ARE, BRITISH ALUMINIUM HAVE YOU COVERED.
WHEREVER YOU ARE, BRITISH ALUMINIUM HAVE YOU COVERED.
Contents

About British Aluminium LLC 6
Management 7
Company History 8
Glazing Journey (1946 to 2020)
Facilities 9
Design, Manufacture, Export, Install

Machinery 14

Global Materials 16
used to craft our bespoke items.

Organisation Chart 18

British Aluminium, Exova Warrington & Intertek 20
ABOUT BRITISH ALUMINIUM LLC

British Aluminium LLC is a multinational, family run organization, that was established in 2012 with in response to growing market demands for high end European aluminium, steel glazing products in the Middle East & South East Asian Region. British Aluminium are now considered one of the best suppliers in the UK, Qatar, Oman and South East Asia for high end glazing products.

British Aluminium LLC now have three glazing divisions. Fire & Security, Architectural & Residential.

British Aluminium care about every pane of glass installed into our projects and give all our clients the same premium service.

Once we work on a project, our British managed installation teams are considered the most efficient and professional glass sub-contractor to work with.

British Aluminium is Qatar Civil Defence approved and has all the supporting certificates to manufacture and install the following: Aluprof and Forster range of fire, bullet & blast resistant windows, doors, curtain walling.

Production is undertaken at our 6000 square meter manufacturing facility that house state of the art CNC sawing and machining centers, which ensures a smooth flow from design to completion.

Our experienced manufacturing & installation teams all follow an ongoing comprehensive European training regime, this ensures faultless production and conformity with required Civil Defense regulations.

We have the capability to manufacture and install projects in any country in the world using our network of experienced and certified installation engineers.
Richard Astin, the Managing director and board member of British aluminium has been running aluminium fenestrations companies since 1977, involved in every department within the aluminium and steel glazing business and has a vast knowledge of how the global glazing industry operates.

Even today, after many successful years Richard Astin still has a very hands-on approach to the business and manages all aspects of British Aluminium from the 6,000m2 Head Quarters in Doha, Qatar.

Richard Astin states “With continued investments flowing into our multi-national organization, We are on track for British Aluminium LLC to be one of the most successful glazing companies in the Middles East Region by the end of 2020 and will continue our export campaign back into the United Kingdom and be able to offer excellent products at even better prices with good payment terms.”

Josh Astin, the Sales & technical director and board member of British aluminium has been working alongside Richard Astin since 2010, when he found his passion for creating bespoke products, and has since advanced to heading British Aluminium’s sales and technical department, including our research and development department where we design and create unique bullet, security and anti-ligature glazing products.

Josh Astin is committed to continuing the success of the first two generations and says “We are becoming recognised for the high quality of work we produce, and we are excited to launch our unique new product range in 2020. We urge our existing and new potential clients to ask us for more information if they are interested in using something extraordinary on their project.”
COMPANY HISTORY

1946

From humble beginnings in the town of Brighouse, West Yorkshire, aluminium windows and doors have been in our family since 1946, when our late Grandfather left the British army and started fabricating aluminium and glass in the United Kingdom. Our family has been in the glazing industry for 3 generations, meaning we, as a company take great pride in our work.

2020

74 years later in the year 2020, we find ourselves looking back with great pride at the hard work and determination through several recessions that have tested our family to the limit, but has not managed to keep us away from this exciting, fast moving fenestration industry.

Quality Control Procedure

Our extrusion supplier’s laboratory buildings are designated for the testing of all their materials. Every batch of extruded aluminium profile is rigorously tested for its performance in-tolerances and any impurities, both before and after extrusion.

Every batch of anodized and polyester powder paint aluminum is tested for thickness, shading quality and durability, to ensure it continues meeting the high standard required for the global market.

Our manufacturing facility is continually monitored by strict inspection at all stages of production, to ensure our entire products are faultless. All the manufacturing measures and standards in the factory are continually updated for quality and efficiency.
FACILITIES

• Design, Engineering & Testing

British Aluminium are well known for our groundbreaking approach to design and manufacturing, and we will always seek to add value to your project by looking at things differently. We value engineer where possible and use our specialist fire and security knowledge to provide the safety solutions for your project.

Our in-house design team work with the latest construction industry software (AutoCAD and LOGIKAL) offering a comprehensive service to ensure that buildings meet their functional and aesthetic requirements.

We test our products to the highest global safety standards to defend against anything from water penetration to blast explosions.

• Manufacture & Distribution

At British Aluminium we pride ourselves on having the operational capacity to manufacture all products from our 6,000m2 facility in Doha.

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.

As a fast growing company, we have continually invested in machinery to help drive growth and maintain the manufacturing standards which our clients deserve and expect from our European managed company.
Experienced, thoroughly trained staff and state-of-the-art facilities ensure consistently high production standards in both specialist and commercial glazing.

As our business continues to rapidly expand and hire more staff, we consistently stage monthly training sessions for new and existing staff, this is to ensure our fabrication team are regularly following strict fabrication procedures, all in line with our yearly 3rd party audit and civil defence approval certificates.

• **Installation**

Our multiple installation teams are highly experienced and skilled in all aspects of the installation process for all our innovative glazing systems.

Every installation is thoroughly planned in advance. From a single window in a villa, to a large shopping mall, our fitting crews are fully trained to carry out your installation with as little disruption as possible and are all trained and experienced in working in 'live' environments. When British Aluminium work on any project we always ensure the highest health and safety regulations are followed. To enforce this, each site has a dedicated manager.
• Maintenance

British Aluminium’s maintenance division fulfills a range of services after project completion for our fire and security clients, including annual maintenance, servicing and cleaning.

British Aluminium staff offer a fast and discrete response, understanding the urgency of attending to remedial action, particularly on sensitive units where service issues can mean rooms being put out of use.

When it comes to ongoing maintenance, as each client’s requirements are unique, we ask that you contact us to discuss your needs and we can tailor a bespoke package for your facility.
• Export Department

Globally Recognized Brand

British Aluminium has become a widely recognized, premier Global brand, offering only the highest standard of engineered fire and security glazing products to our clients from all sectors. We believe that everlasting quality is the key to a successful business and that is why we manufacture only the best British & European extruded systems.

We have highly trained installation partners in the all areas of the Middle East, South East Asia, United Kingdom and India. We are still looking for partners in other corners of the world.

We even supply off shore islands with bullet, blast, fire and security glazing, previously delivered by helicopter.
Wherever you are, BRITISH ALUMINIUM have you covered.
MACHINERY

British Aluminium LLC use state of the art machinery to ensure that all items manufactured are finished to an extremely high standard. All in line with our semi annual factory audits from Exova Warrington and Intertek. Below are only some of our machines being used in our large premises.

Double Mitre Saw x2 - Italian

Welding machine x10 - American

Steel Cutting saw for Mild & Stainless Steel x2 - Italian

Aluprof Punch Tools x3 - Polish
CNC machining Centre - Italian
Router & Crimper x 3 Each Italian
Compressor and Bending Machine - Turkish
Stand Drills x2 China & UK
Single Mitre Saws for smaller sections and glazing beads x 3 German and Italian
GLOBAL MATERIALS used to craft our bespoke items.

British Aluminium LLC use a wide range of aluminium and steel systems; One of our main aluminium profile suppliers are our partners Aluprof SA. A large European aluminium systems company that designs and extrudes many unique, market leading glazing systems. EG Fire Resistant Aluminium Glazing.

Based in Poland, UK, Germany, America, France, Ukraine, Romania, Czech Republic and partnered with British Aluminium LLC in Qatar.

We also work with the following systems companies and can look at fabricating new systems on a job to job basis.

Sourced from United Kingdom, Europe and Qatar.

British Aluminium are the manufacturers and installers of Forster fire, security and bullet resistant products in the State of Qatar.

Forster are the Market leaders in steel windows, doors and facades worldwide, and have actively completed projects in most countries in Europe, Asia & the Middle East.

Forster are constantly developing their systems and improving an already flawless range of fire and security systems to meet modern architectural requirements.

Sourced from Switzerland.
British aluminium use Vetrotech - Saint Gobains specialty glass products with many of our product range.

As Vetrotech are the fire glass branch of the global glass company Saint-Gobain, we find that they are extremely reliable at providing an exceptionally high quality product with a good price so we can pass on the discounts to our clients.

For all our non fire resistant glass we have the freedom to supply and install any glass specified on projects by our clients. Below are some of the global brands we use, but not limited to.

Sourced from: India, Germany, United Kingdom and Qatar.
ORGANISATION CHART

CEO
Essa Mohamed Al Khalaifi

Accounts Department
(1 accountant) Shanavas

Pro/Mandoub
(1 Pro)
**Managing Director**
Richard Astin

**Sales & Technical Department**
Josh Astin

- **Estimators**
  (3 Estimators)

- **Marketing Team**
  (3 Marketing staff)

- **Export Sales Manager**
  1 Staff

- **6 Draftsmen**

**Managing Director**

- **Factory & Project Supervisor**
  (4 supervisor)

- **80 Aluminium & Steel fabricators and installers**

- **4 Drivers**
BRITISH ALUMINIUM’S CERTIFIRE & INTERTEK DOCUMENTATION

CERTIFICATE OF APPROVAL
No CF 5380

This is to certify that, in accordance with
TS501 General Requirements for Certification of Fire-Resistant Products
The unidentiﬁed products of

BRITISH ALUMINIUM LLC (QATAR)
Street K12, Pink Zone, New Industrial Area, Doha, Qatar
PO Box 3286
Tel: +974 4488 7159

have been assessed against the requirements of the Technical Schedule(s)
described below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT
Aluminium Framing Systems
Type MB 78 EI for Glazed Walls and Doors

TECHNICAL SCHEDULE
TS25 Fire Resistant Glass, Glazing Systems and Materials

Signed and sealed for and on behalf of Warringtonﬁre Testing and Certification Limited

Paul Dugan
Certification Manager

Issued: 15th October 2015
Reissued: 13th June 2019
Valid to: 27th May 2024
Page 1 of 30

This certificate is the property of Warringtonﬁre Testing and Certification Limited
Registered Ofﬁce: 12 Linen Grove, Ploos, United Kingdom, WA17 8DN. Company Registration No: 1477501
Certificate of Compliance WHI19 – 32166304

Appendix A

PRODUCT COVERED:
Forster Profilsysteme AG - Forster Fuego Light Fully Glazed Non-Rebated Unlatched Double leaf doorset – B1, 60 - EN 1634-1

PRODUCT DESCRIPTION:
Fully Glazed Non-Rebated Unlatched Double leaf doorset –

The door frame is constructed with Forster Fuego Light 60 steel profiles - ref. 736.805. The door leaf hinge seats and top rails are constructed with Forster Fuego Light 60 profile - ref. 736.805. The meeting edge sides of both the leaves are constructed with Forster Fuego Light 60 steel profile - ref. 736.805 and the bottom rails of both the leaves are constructed with Forster Fuego Light 60 steel profiles 736.805.

The door frame and door leaf profiles have 65mm depth, are thermally broken and are fitted with insulating materials.

The door leaves are glazed with fire rated glass ref. Contralux 60-3/4, 30mm from Vetrotech Saint-Gobain International AG. The glass is supported on setting blocks ref. Flame 12, nominal 5mm thick, and held in position with Forster steel glazing beddings ref. 960279 and also through secured with M3 x 32mm long steel screws at 500mm c/c and 100mm from the corners.

Self-adhesive - Karlife 2000, 4mm x 15mm glazing tape (Forster ref. 048004) is used between the glass and the steel flange of the profiles and Karlife 2000 3mm x 15mm glazing tape (Forster ref. 048003) is used between the glass and the glazing beads. Intermittent strip - ref 048002 is used on all the door frame & leaf members including the perimeter around the glass. Additional Intermittent strip - ref 048000 are used around the glass perimeter.

CR Type Door gasket (weather strip) - ref. 903007 is used between the door frame and leaf members.

The non-rebated double leaf door assembly is unlatched and uses Forster sealing set - ref. 915409 along meeting edges on both the leaves.

The door can be installed in standard rigid supporting construction or Forster Thermix vario 45 fully glazed fixed partition as associated supporting construction for the door assembly.

Maximum size:
Door frame size: 2302 x 2597 x 65mm (w x h x t)
Door leaf size: 1900 x 2307 x 65mm (w x h x t)
Clear view of glass: 226 x 2397mm (w x h)

RATINGS:
The Fully Glazed Non-Rebated Unlatched Double Leaf Doorset tested opening away from the fire side and qualifies for the following ratings according to EN 1634-1:2014 test standard:

<table>
<thead>
<tr>
<th>Fire Intensity (E)</th>
<th>70 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Radiation (W)</td>
<td>70 minutes</td>
</tr>
<tr>
<td>Sound Insulation (dB)</td>
<td>34 minutes</td>
</tr>
</tbody>
</table>

Note: Based on the Category B overrun time achieved by the doorset for EU 60 rating, in accordance with direct field of application of EN 1634-1:2014 Standard, the door width/height can be increased by 15%, subject to 20% increase in the door area.

www.intertek.com
Certificate of Compliance

You have been awarded:
Intertek Warnock Hersey Mark for fire resistant glazed windows
Standard(s): EN 1634-1 (2014)
Certificate number: WH19 – 32166305

Organization:
British Aluminium
P.O. Box 3286
Street 12, Pink Zone, New Industrial Area
Doha, Qatar

Product: Forster Profilsysteme AG - Forster Presto - Latched Single Acting Openable Window & Side Panel Assembly - EW 120 - EN 1634-1
SPEC ID 46737

<table>
<thead>
<tr>
<th>EN 1634-1</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrity (E)</td>
<td>132 minutes</td>
</tr>
<tr>
<td>Radiation (W)</td>
<td>132 minutes</td>
</tr>
<tr>
<td>Insulation (Normal Procedure - 1a)</td>
<td>8 minutes</td>
</tr>
<tr>
<td>Insulation (Supplementary Procedure - 1a)</td>
<td>8 minutes</td>
</tr>
</tbody>
</table>

For details related to maximum dimensions and allowable configurations, see Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: March 07, 2016
Date of expiry: December 31, 2019
Issue status: 1

Charles Meyers
Certification Manager
18 Mar 2019

Name
Signature
Date

www.intertek.com

The certificate and schedule are held in trust by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek’s Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek’s responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. The Client is authorized to permit copying or distribution of this certificate and is only in its entirety. Use of Intertek’s Certification mark is restricted to the conditions set out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.
Certificate of Compliance WHI19 – 32166305
Appendix A

PRODUCT COVERED
Forster Presto - Latched Single Acting Openable Window & Side Panel Assembly - EW 120 - EN 1634-1

PRODUCT DESCRIPTION
Latched Single Acting Openable Window & Side Panel Assembly:

The window frames are constructed using Forster Presto - ref: 32.805, 90 x 50mm (wide x depth) steel profiles and Forster Presto - ref: 32.800, 70 x 50mm (wide x depth) steel profiles.

The window leaves are constructed using Forster Presto - ref: 32.803, 90 x 50mm (wide x depth) steel profiles. Forster Presto - ref: 32.851, 70 x 50mm (wide x depth) steel profiles are used to construct the side panel assembly.

The window and side panel assembly is glazed with fire rated glass ref: Contraflam Door Lite 120, 11mm thick glass from Vetrotech Saint-Gobain International AG using 15 x 5 & 6mm (w x t) ceramic glazing tape (Forster ref: 948005 & 948006). 11 x 2mm thick intumescent tape (Flexpan 200) is self-adhered around the perimeter of the glazing panes.

The glass is supported on calcium silicate setting blocks ref: Fiammi 12 (nominal - 5mm thick) and kept in position using steel glazing beads (Forster ref: 901228) pressure fitted over studs (Forster ref: 906579) spaced nominally every 210mm c/c and also fixed using M4 x 250mm stainless steel screws spaced nominally at 500mm c/c.

Chloroprene Rubber (CR-Type, Forster ref: 905307) gasket is used between the window frames and window leaves.

Supporting construction - The application is allowed to be installed in a standard rigid construction like brick wall.

Maximum tested sizes:
Overall Assembly size: 2000 x 2000mm (w x h)
Window leaf size: 945 x 1520mm (w x h)
Glass size in window leaf: 794 x 1770 x 11mm (w x h x t)
Clear view of glass in window leaf: 764 x 1740mm (w x h)

RATINGS
The Latched Single Acting Openable Window & Side Panel Assembly system qualifies for the following ratings according to EN 1634-1:2014:

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Integrity (E)</td>
<td>132 minutes</td>
</tr>
<tr>
<td>Radiation (W)</td>
<td>132 minutes</td>
</tr>
<tr>
<td>Insulation (Normal Procedure - h)</td>
<td>8 minutes</td>
</tr>
<tr>
<td>Insulation (Supplementary Procedure - h)</td>
<td>8 minutes</td>
</tr>
</tbody>
</table>

The window was tested opening away for the fire exposure which evaluates the uninsulated opening towards the fire side. The specimen is tested with glazing beads on the fire side in a standard rigid supporting construction.

Note: For E 120 rating, based on direct field of application in EN 1634-1:2014 with a Category B overburn time - the window size can be extended by 15% in height and width provided the increase in overall window area is limited to 20%.

www.intertek.com
Certificate of Compliance

You have been awarded:

Intertek Warnock Hersey Mark for fire resistant glazed fixed partition

Standard(s): EN 1304-1 (2015)

Certificate number: WHI19 – 32166310

Organization:
British Aluminium
P.O. Box 3288
Street 12, Pink Zone, New Industrial Area
Doha, Qatar

Product: Forster Profilsysteme AG - Forster Thermfix Vario 45-Pulled Glazed Fixed Partition - EW 120 - EN 1304-1
SPEC ID 46731

<table>
<thead>
<tr>
<th>Integrity (E)</th>
<th>132 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Radiation (W)</td>
<td>132 Minutes</td>
</tr>
</tbody>
</table>

For details related to maximum dimensions and allowable configurations, see Appendix A (page 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: March 07, 2019
Date of expiry: December 31, 2019
Issue status: 1

Charles Meyers
Certification Manager
18 Mar 2019

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

www.intertek.com
Certificate of Compliance WHI19 – 32166310
Appendix A

PRODUCT COVERED
Forster Profilsystems AG - Forster Thermfix Vario 45 - Fully Glazed Fixed Partition - EW 120 - EN 1364-1

PRODUCT DESCRIPTION
Fully Glazed Fixed Partition.

The mullions (vertical members) are constructed using Forster Thermfix Vario - ref: 78.854, 45 x 110mm (wide x depth) steel profile sections. The transoms (horizontal members) are constructed using Forster Thermfix Vario - ref: 78.853, 45 x 90 (wide x depth) steel profile sections. The mullions and transoms are fixed together using brackets and screw connections.

The partition is glazed with fire rated glass ref: Contratlam Lite 120, 14mm or 16mm thick from Vertech Saint-Gobain International AG using Chloroprene Rubber (CR) gasket (Forster ref: 935780).

The glass edge is covered by 16 x 2mm (w x t) Intumescent strip ref: Kerakoll Flexpan 200. The glass is supported on calcium silicate rating blocks ref: Plammi 12 (nominal - 5mm thick) and kept in position using stainless steel pressure plates (Forster ref: 933540) fixed with 62.5mm long stainless steel screws (Forster ref: 936921).

Aluminium cover caps ref: 932345 and 932344 are used to cover the mullion and transom pressure plates respectively.

Maximum tested sizes:
- Overall Partition size: 3000 x 3000mm (w x h)
- Clear view of glass: 1431 x 2910mm or 1932 x 2910mm (w x h)

FIRE RATING
The fully glazed fixed partition system qualifies for the following ratings according to EN 1364-1:2015: Fire resistance tests for non-load bearing elements - Part 1: Walls

<table>
<thead>
<tr>
<th>EN 1364-1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Integrity (E)</td>
<td>132 minutes</td>
</tr>
<tr>
<td>Heat Radiation (W)</td>
<td>132 Minutes</td>
</tr>
</tbody>
</table>

Note 1: For EW 120 rating, based on direct field of application in EN 1364-1:2015 with an overrun time - 20% extension in height is allowed above the tested height, the width of the assembly can be extended by replication of the tested assembly and the width and/or height of the glass can be increased by 20% provided the increase in overall glass area is limited to 21%.

Note 2: The system qualifies for EW 120/EI 30 rating when glazed with Contratlam Lite 120, 16mm thick glazing.
2020 EXPORT DRIVE

British Aluminium has been exporting for the last four years growing in volume around the globe due to our economic overheads and low tax rates.

FINANCE OPPORTUNITIES

British Aluminium LLC are working very closely with Qatar Development Bank to offer our export clients some very exciting offers to enable them to finance large orders with British Aluminium LLC.

On a job to job basis we can offer different amounts of credits to clients that we can insure through a third party (At no cost of the client).

Or we can work on an open LC for large contracts that works for both client and British Aluminium LLC.
COMPLETED PROJECTS

DOHA FESTIVAL CITY (QATAR)

PROJECT DETAILS

British Aluminium LLC (Qatar) are working on Doha Festival City to ensure that the ice cold ski slopes maintain a low temperature while still being fire resistant.

Doha Festival City is an iconic shopping mall and mixed-use development in Doha, Qatar. At 600,000 square metres, with 240,000 square metres of leasable space.

PRODUCTS

- Aluminium fire resistant doors & windows
- Thermally Enhanced Doors & Screens
- Automatic opening fire doors
- Automatic glass air lock doors
- Wood finished aluminium windows
Q-RAIL GOLDLINE (QATAR)

PROJECT DETAILS

British Aluminium LLC (Qatar) are working on fire resistant partitions, windows and doors for this prestigious project. We have been selected as we are the market leaders in aluminium fire security glazing.

The east-west Gold (Historic) Line extends from Ras Bu Aboud to Al Aziziya. Ten stations run along the Gold Line.

PRODUCT

- Aluminium fire resistant screens & openable windows
  - Rating: 60EI & 90EI Fire Resistant Glass

NEW PORT PROJECT, DOHA (QATAR)

PROJECT DETAILS

British Aluminium LLC (Qatar) are working on Hamad Port, New Port Project in Meisieed, Qatar. We are using our state of the art fire resistant aluminium system to protect the 18KM site.

PRODUCT

- Aluminium fire resistant doors & screens
  - Rating: 60EI & 90EI Fire Resistant Glass
Q-Rail Goldline (Qatar)

- **Breakthrough Site (4TBMs)**
  - TBM Al Sadd
  - TBM Al Saliya
  - TBM Sharq
  - TBM Lusail

- **TBM Sharq**
  - Drive Total: 4341 m
  - Breakthrough Site: Msheireb

- **TBM Lusail**
  - Drive Total: 5339 m
  - Breakthrough Site: Msheireb
The Arab Center for Research and Policy Studies is an independent, research-intensive postgraduate academic institution specializing in the social sciences and humanities. The Center will serve a highly selective body of students, academics, and professionals, offering a rigorous academic program through its Graduate School, Research Center, and Department of Lexicography, and a professional one in its School of Government.

British Aluminium supplied and glazed all of the aluminium fire resistant screens and doors for the basements.

**PRODUCT**

<table>
<thead>
<tr>
<th>Product</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluprof MB-78EI</td>
<td>60EI Fire Resistant</td>
</tr>
</tbody>
</table>

ARAB CENTRE FOR RESEARCH AND POLICY STUDIES - DOHA INSTITUTE (QATAR)
DOHA MALL (QATAR)

PROJECT DETAILS

Doha Mall is a brand new state of the art mall in Abu Hamour, Doha.

British Aluminium supplied and glazed all of the aluminium fire resistant screens and doors for the entire mall.

PRODUCT

Aluprof MB-78EI

Rating: 60EI & 90EI Fire Resistant
**AL JAZEERA MEDIA NETWORK (QATAR)**

**PROJECT DETAILS**

Al Jazeera, also known as JSC, is a Doha-based state-funded broadcaster owned by the Al Jazeera Media Network, which is partly funded by the House of Thani, the ruling family of Qatar.

British Aluminium continue to protect and keep one of the world’s largest news organisations.

**PRODUCT**

Aluprof MB-78EI & Glass Doors

Rating: 60EI, 90EI Fire and Smoke Resistant
QP PLANT, HALUL ISLAND (QATAR)

PROJECT DETAILS

Halul Island is one of the most important islands belonging to the State of Qatar. Lying about 80 km northeast of Doha, it serves as a storage area and loading terminal for oil from the surrounding offshore fields.

British Aluminium sent a team of highly skilled engineers by helicopter to install our unique, state of the art aluminium fire resistant windows.

PRODUCT

Aluprof MB-78EI & Brital Sliding Windows
Rating : 60EI Fire Resistant
QATAR RAIL - LRT (QATAR)

PROJECT DETAILS

The Lusail Light Railway Transportation System has been commissioned by the Qatar Railway company to provide an efficient and pleasurable transportation system for the people living in, and commuting to, Lusail City. The structural works for the tunnels, ancillary structures and underground stations are nearing completion and the LRT yellow line is expected to enter into service in January 2019.

PRODUCT

Aluminium fire resistant doors & screens
Rating: 60EI & 90EI Fire Resistant Glass
Ezdan Palace Hotel (Qatar)

Project Details

British Aluminium LLC (Qatar) have been contracted to manufacture and install the aluminium fire glazing package at Ezdan Palace Hotel, Al Shamal Road, Al Gharrafa.

We won the contact due to our 2-3 week lead time from signing contract to final competition with Qatar civil defence approval certificates on all fire doors.

Product

Aluprof MB-78EI System

Vetrotech Glass - Contraflam 60-3
MONDRIAN HOTEL, LUSAIL

PROJECT DETAILS

British Aluminium LLC (Qatar) have been awarded the contract to manufacture and install our state of the art fire glazing products at the Mondrian Hotel, Lusail. This was due to our fast lead times, excellent price and the outstanding product capabilities.

We had a 2-3 week lead time from signing contract to final competition with Qatar civil defense approval certificates on all hinged, opening fire windows.

PRODUCT

Aluminium fire resistant doors & screens

Rating : 90EI Fire Resistant Glass

BRITISH PETROLEUM (OMAN)

PROJECT DETAILS

British Aluminium are fabricating and installing a large blast and impact resistant facade and door package at BP Khazzan.

As this project was needed immediately, British Aluminium air freighted large quantities of our glazing system from Europe within a week, to ensure our clients met their deadlines for the end client.

PRODUCT

Forster Thermfix Vario & Forster Unico

Blast & Impact resistant glass.
PETROLEUM DEVELOPMENT OMAN – RHOP (OMAN)

PROJECT DETAILS

British Aluminium are contracted to supply and install fire and attack resistant glazing works for a package on plot (Rabab-Harweel, Oman).

British Aluminium are extremely proud to have supplied our high end steel systems into this prestigious project.

PRODUCT

- Forster Thermfix & Forster Presro
- Anti Bandit & Fire Glazing

AL KHOBAR BUSINESS GATE (KSA)

PROJECT DETAILS

Al Khobar gate consists of two, 9 storey glass tower blocks for offices in the centre of Al Khobar.

British Aluminium LLC are pleased to have supplied our high end aluminium systems into this project.

PRODUCT

- Aluminium Glazing
KING KHALED AIRPORT, KSA

PROJECT DETAILS

Riyadh King Khalid International Airport is located 35 kilometers north of Riyadh, Saudi Arabia. The airport serves the city of Riyadh, the capital of the country. It is the second biggest airport in Saudi Arabia, after Jeddah airport.

British Aluminium supplied and glazed aluminium fire resistant doors in Terminal 5

PRODUCT

<table>
<thead>
<tr>
<th>Aluprof MB-78EI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating : 60EI Fire Resistant</td>
</tr>
<tr>
<td>Push/ Pull Handles with electric strike locks</td>
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</tbody>
</table>
Lusail Stadium, also known as Lusail Iconic Stadium, is a planned new stadium that will be the flagship venue of the 2022 World Cup in Qatar. The stadium is expected to host both the opening match and final. It has a capacity of 80,000 spectators.

PRODUCT

- Fire Resistant Facades
- Fire Resistant Doors & Windows
- Security Glazing
- Acoustic Glazing
ABOUT FIRE GLAZING

Fire glazing Explained

Using the above information the fire rating required would be: 120EI

It is imperative to get a fire strategy in place in a building and by using British Aluminiums extensive range of fire resistant products you do not need to compromise on safety or aesthetics.

Our fire resistant products can help to save lives and keeps property safe

Beyond the irreversible cost of human life, building fires can lead to massive financial costs. Considering that government statistics estimate about 1,000 fires annually in Qatar, it’s certainly wise to apply effective preventive measures both to prevent and also reduce the potential destruction by fire. In this regard, British Aluminium WLL (a Qatar Civil Defence approved company) provides a wide range of high quality fire-resistant aluminium windows, doors and curtain walling, within the Gulf region. These are products that offer passive fire protection which preserves both occupants and buildings, by preventing the spread of fire, heat and smoke.

One great thing about such passive fire protection is once installed, it requires no further action to activate in case of a fire. But that isn’t the only beneficial aspect...
Beneficial Aspect of passive fire protection

I. Passive Containment of Heat and Fire

As documented in a 10-year study in the United States, overheated materials and hot surfaces play a significant role in causing fires, apart from the most obvious direct fires. This shows the important role of fire-resistant products manufactured and installed by British Aluminium, which prevent transfer of heat from one side to another. To achieve this heat containment quality, the fire-resistant aluminium products are designed to be strong enough to withstand heat without failing, for as long as possible. Such windows and doors can maintain their integrity for as long as 120 minutes.

III. Legal Compliance

In a bid to counter the huge challenge of fire safety infrastructure in Qatar, the Civil Defence Legislation was further enhanced to improve fire safety. In this enhanced legislation, the importance of fire-resistant doors is clearly noted, with explicit requirements to install and maintain such doors based on stringent guidelines by the Civil Defence Department. Apart from meeting the stringent requirements and possessing approval certificates for all products from the Qatar Civil Defence Department, British Aluminium products are also rigorously tested based on European standards and certified by Exova (Exova is a highly reputable and world-leading certification body). This is further complemented by constant innovation applied in product manufacturing, to design products suited to a wide range of building designs.

II. Passive Containment of Smoke

If occupant’s lives are to be saved, containment of smoke should be viewed as one of the most critical aspects. This is because gas, smoke and toxic fumes are the main cause of fire-related victim deaths, as revealed in a study by the UK Department of Communities and Local Government. This is why British Aluminium's products are manufactured to be smoke proof. Moreover, through the company’s expert team, the fire-resistant windows and doors are professionally installed to meet European smoke-proof standards. Effective smoke containment allows for safe evacuation of occupants, which greatly increases survival chances in fires.

IV. Aesthetically Appealing

Despite the critical fire-protection role they serve, fire-resistant aluminium windows, doors and curtain walling must also blend with and conform to the general appearance of a building. In fact, British Aluminium products are specially designed not just to fit in, but also enhance the internal and external appearance of a building. Ultimately, these fire-resistant products not only ensure the highest standards of fire safety, but also fit in perfectly with modern building architecture.
GREEN BUILDING

Our range of products can perfectly meet the requirements of green building; this is due to the excellent thermal insulation and innovative technical solutions we have available at British Aluminium. Numerous buildings constructed using Aluprof systems have been awarded with the following prestigious certifications. Case studies can be presented on request.

Aluminium for the Environment

Our aluminium fire resistant systems are excellent for the environment as oppose to steel due to many of the following reasons:

Lightweight
Aluminium is a very light metal, roughly a third that of steel.

Corrosion resistance
Aluminium naturally generates a protective oxide coating and is highly corrosion resistant.
Recyclable
Aluminium is 100 percent recyclable with no downgrading of its qualities. The re-melting of aluminium requires little energy.

Strength
Aluminium is very strong, and can match the strength of steel.
MEDIA

Promotional Feature

Fire Resistant Aluminium Glazing Manufacturers Open in Qatar

Who We Are

British Aluminium is a progressive modern company, established in Qatar in response to market demands for first-class aluminium fire-resistant glazing products in the Gulf region. The knowledge and expertise of the British Aluminium team spans more than 50 years in the UK. British Aluminium has received Qatar Civil Defence approval with all the supporting certificates to design, manufacture and install the Aluprof range of fire-resistant windows, doors, curtain walling and automatic doors. In addition to aluminium fire-resistant systems, we also manufacture other unique technologically advanced aluminium glazing products that can be used for superior sound and heat control.

Our 60,000 square metre manufacturing facility boasts state-of-the-art CNC sawing and machining centres, ensuring a smooth flow from design to completion and our network of experienced and certified installation engineers enables us to manufacture and install projects in any country in the Middle East. Our rigorous training regime to European standards for our manufacturing and installation teams ensures quality production and conformity with Civil Defense regulations. Josh Asen, Sales Director, advises that are no compromises here and we have a fire strategy in place in a building, and by using British Aluminium’s extensive range of fire-resistant products, you do not need to compromise on safety or aesthetics.

British Aluminium Fire Rated Glazing

British Aluminium’s system offers a comprehensive range of smoke proof and smoke exhaust structures up to E120 class. When installed these products increase safe evacuation time and decrease potential fire losses. All our screens, doors and curtain walling can be aesthetically identical to non-fire rated glazing products and therefore blend into the general appearance of the building. All our fire-resistant products have been rigorously tested in Europe and certified by Euronorm, Wrexham in the UK.

It is imperative that a fire strategy is in place in a building and by using British Aluminium’s systems range of fire-resistant products you do not need to compromise on safety or aesthetics.

“our priority is customer service & satisfaction”

Our Partnership with Aluprof

British Aluminium WLL is proud to announce that we are the sole agents in the Middle East for our global partners Aluprof.

Aluprof is one of the leading European designers and producers of aluminium systems for the building industry. Having its own large logistical facilities, extrusion plants, polymer powder painting and anodizing lines, enables Aluprof with full independence and market flexibility. This has resulted in the growth of the portfolio throughout Europe, USA and the Middle East.

The superior quality of Aluprof aluminium systems is the result of the innovative work of the product development department, which continually design new bespoke solutions of windows and doors, curtain walling facades and glazed screens.

Laboratories and Quality Control

Aluprof’s Laboratory building is designated for the testing of all their materials. Every batch of extruded aluminium profile is rigorously tested for its performance to standards for hygroscopic gains and any imperfections, both before and after extrusion. Every batch of anodised and powder polymer paint aluminium is tested for thickness, shading quality and durability, to ensure it continues meeting the high standard required for the global market.

Richard Awtrey, Managing Director says it all up when he says “British Aluminium has the capability to manufacture and install products in any country in the Middle East using in-network of experienced and certified installation engineers. We can manufacture any system to meet the architects design requirements. Quite simply the best, and by using British Aluminium products we can ensure that the best product is supplied to the client every time!”

“our fire resistant products can help to save lives and keep property safe”

British Aluminium

info@british-aluminium.com

38

FIRE MIDDLE EAST / MAY 2015
GAIN VALUABLE TIME

Fire Resistant Aluminium
Glazing Systems

MB-78EI Closed Walls & doors £50–£60
MB-78EI Silicone joint £50–£60
MB-78EI DPA Automatic sliding £75–£95
MB-115EI Closed walls £120
MB-115EI E1 £120
MB-SR50 EI Facade £650–£680
Smoke vent Window £650/£680

15 years experience of fire rated systems

Doha, Qatar
www.British-Aluminium.com
info@british-aluminium.com
Tel: 04/174 6699 1264
Fire safety cannot be compromised

Josh Astin, sales director, British Aluminium, Qatar, says that corners cannot be cut in fire safety, regardless of the economic environment.

What is the main focus of the company?
Our company, British Aluminium LLC (Qatar) focuses on manufacturing fire resistant aluminium windows, doors, curtain walling facades and glazed partition screens.

British Aluminium is Qatar Civil Defense approved (with supporting certificates) to manufacture and install the Aluprof range of fire resistant windows, doors, curtain walling and automatic doors.

We are the market leaders and the first company in the Gulf to manufacture this innovative technology.

Has the oil price affected the company's revenues in any way?
We have heard from many sources that Qatar is facing cut backs in the construction sector, and this leads to projects being put on hold, but this is not affecting our business, as fire safety is not something that can be compromised.

Corners cannot be cut, so our company has not felt the drop in construction projects.

How has the Q1 been for the firm?
The first quarter has been very successful and we have already exceeded last year’s turnover by 200%, with new contracts we have been awarded. Companies and government are strongly enforcing fire safety and contractors are realising that fire safety cannot be compromised. Only the most prestigious, well reputed companies are now being awarded the fire glazing contracts.

Another differentiator is that the company has the capability to manufacture and install projects in any country in the Middle East using its network of experienced and certified installation engineers. We can extrude any system to suit the architect's design requirements. Qatar deserves the best, and by using British Aluminium’s products we can ensure that the best product is supplied to the client - every time. We have also diversified into the supply of bullet and blast resistant, windows, doors, walls and panic rooms.

What are your manufacturing facilities?
Production is undertaken at our 64,000 sq.ft manufacturing facility that houses state-of-the-art CNC sawing and machining centres, ensuring a smooth flow from design to completion. We use CNC machines to safeguard quality of manufacturing, ensuring excellence - and we can always satisfy our clients.

Our experienced manufacturing and installation teams follow an ongoing comprehensive European training regime, to warrant faultless production and conformity within required Civil Defense regulations. This ensures that our products are consistently manufactured in the precise manner to meet the client’s proposals.

How is 2016 looking?
We are having an excellent year so far and can only see positive things for British Aluminium in the future.

We are constantly adapting and adding to our exclusive product range so we can stay ahead of the market competition.
British Aluminium promotes quality fire resistant walls and doors at exhibition

Qatar-headquartered manufacturing outfit makes show debut with a broad selection of fire resistant aluminium products

British Aluminium is making its Project Qatar debut today with its range of fire resistant aluminium walls, glazed facades, automatic and swing doors, smoke and exhaust vents, and blast resistant doors and windows.

The firm's range of products are certified by Qatar's Civil Defence, as well as being rigorously tested and certified to European standards.

"We are the first and only aluminium fire-rated glazing manufacturers in the Gulf and the only British-run aluminium business in Qatar," says Josh Atkin, sales director at British Aluminium Qatar

British Aluminium's systems include fire resistant, smoke proof, and smoke exhaust structures up to EI150 class. "Using these products in situations that threaten life or health can buy time for safe evacuation, while increasing chances to control the fire and reduce fire losses," explains Atkin, "All our screens, doors, and curtain walling can be aesthetically identical to non-fire rated glazing products and therefore blend into the general appearance of the building," he adds.

Production of British Aluminium's products takes place in Qatar at the company's 5,500m² manufacturing facility. The localised production operation ensures there is a high level of quality control from design to completion on all orders.

"[Our] manufacturing facility houses state-of-the-art CNC sawing and machining centres, ensuring a smooth flow from design to completion. We use CNC machines to safeguard quality of manufacturing, ensuring excellence - and we can always satisfy our clients" comments Atkin.

"Our experienced manufacturing and installation teams follow an ongoing, comprehensive European training regime to warrant faultless production and conformity within required civil defence regulations. This ensures that our products are consistently manufactured in the precise manner to meet the client's proposals," he adds.
CORPORATE RESPONSIBILITY

We take health and safety extremely seriously as our company is a large British management business, that has had rapid growth over the past 5 years. We have strict health and safety regulations in place on site and in the manufacturing head quarters in the industrial area to ensure that no accidents will occur.

We are also environmentally friendly and are constantly looking for ways to improve our recycling system. We recycle/re-use as much paper as possible, as well as cans, metals, plastic and other raw materials that can be salvaged or re-used. Any money British Aluminium gain from recycling will be donated to a local Qatar Charity as part our charity sponsorship scheme.

Fair Salaries for all of our employees ensures that our company is a modern international organisation that retains our workforce so we do not have to turnover different staff members every two years. This means our finished product will be fabricated by professional, hardworking, experienced employees.

All our workforce lives in good standard accommodation, as specified by Qatar labour law.
CONTACT US

Head Quarters & Showroom

Pink Zone
New Industrial Area
Doha - Qatar
P.O. Box 3286

Info@british-aluminium.com

South East Asia

A-Palma Street
Makati - Metro Manila
Philippines
Zip: 1210

southeastasia@british-aluminium.com

UK Holding Company

71-75 Shelton Street,
Covent Garden,
London,
WC2H 9JQ

info@astin-hg.com