

**A+PLUS**  
ALUMINIUM

MAKING TRADE ALUMINIUM EASY



**Commercial**

ALUMINIUM GLAZING SYSTEMS

[www.apluswindows.co.uk](http://www.apluswindows.co.uk)

# Why Choose A Plus Aluminium?



Quality of  
Manufacturing



Over 35 Years'  
Experience



Reliable  
Service



Proven  
Product Range



Competitively  
Priced

## About A Plus Aluminium?

A Plus Aluminium is one of the UK's leading commercial trade window and door fabricators.

We have evolved over 35 years to be at the forefront of aluminium fabrication, working with the UK's major system suppliers we can offer all elements of aluminium fenestration. Our commercial windows and doors are part of a complete fenestration offer which also includes curtain walling, shop front, bi-folds, lift and slide doors, and sky and roof lights.

Our continuous investment in people, products and machinery means we are a true partner, one who works with you to develop and grow your business. We understand the market, the products and the challenges you face.

We have designed many unique solutions in-house to suit specific solutions for architects and contractors. We work smart to give you the best possible solution.

## Quality of Manufacturing

We are BSI accredited in our modern production methods which ensures quality control on every product leaving our automated factory. Our investment in the latest machinery assures you of our capacity to produce consistent quality products, in volume, ready for ease of onsite installation.

## Accreditations

We carry our own kitemarks for security and performance and offer one of the largest ranges of products available with our own Secured by Design license.



## Experienced Commercial Team

From your initial enquiry to final delivery you can be sure you are dealing with a longstanding team with extensive commercial industry and product knowledge. We offer advice on alternative products and technical improvements where relevant, ensuring you the best possible solution.

## Product Range

By working with a range of system houses, hardware manufacturers and glass suppliers we provide a wide range of product solutions. Continuous product development and our close relationship with powder coating supply chain partners ensures the very latest product offerings.



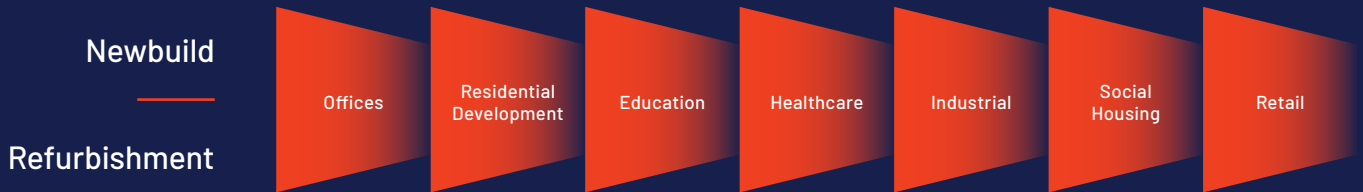
## Deliveries

Key to ensuring you have the product on time is our delivery network. Working throughout the UK we deliver the right product to where you want it, when you want it! We also offer an express delivery service when required.

## Competitively Priced

Our comprehensive and efficient manufacturing methods, coupled with the latest in-house computer systems, enable us to offer you a competitively priced product with lead times to match.

# Our Experience



**For 30 years A Plus Aluminium has supplied commercial projects throughout the UK offering not just market leading products but advice, knowledge and a trusted partnership.**

Our recent projects have included hotels, schools and colleges, shop fronts and high usage entrances, retail parks, leisure centres and private and social housing developments.

Project managers, architects and specifiers all benefit from our knowledge and expertise; whether that's advising on product specification, technical data or performance ratings. We are keen to offer solutions for most fenestration applications and as such we are constantly sourcing new and contemporary products.

Working with the and Europe's leading aluminium systems houses we can supply the best solution for your project. This flexibility enables us to manufacture for all different building styles and performance levels.

Our commercial aluminium windows are manufactured from systems sourced from several renowned suppliers, and are available with a wide range of performance and aesthetic options ensuring you have the most suitable product for your project.

We can provide products that not only meet current Building Regulations but are able to meet Passivhaus levels when needed. This performance is further supported by our 10-year guarantee.

We offer a full range of hardware to complement most styles and can colour match hardware to profile, if required. A full range of security levels including a Secured by Design option is also offered.

And for the perfect finish, our commercial aluminium windows are available in an array of RAL colours, finishes and textures, applied by one of our specialist powder-coating partners.

All our products are manufactured in the UK and built to your exact requirements. The evolution of A Plus is constant and we always strive to offer not only product but full technical and service support to all our commercial partners.

# A Plus Window Types & Styles



A Plus has over three decades of commercial window experience, from simple casements to high performance tilt before turn and parallel opening. As we source our systems from several international suppliers we can provide a vast range of performance and aesthetic options.

## Casement windows

High strength profiles with slim sightlines, proven security and thermal performance make A Plus a natural choice. The slim lines provide every building with more natural light and suit most styles of housing.

We can achieve a window energy rating of A+ and u-values as low as 0.8 W/m<sup>2</sup>K. Slim frames with the inherent strength of aluminium means security isn't compromised. PAS 24 option is available to obtain a Secured by Design product (when installed with correct glazing), if required.

Our casement windows can be fixed or side / top hung while corner posts and bay solutions offer greater flexibility. We offer frames glazed or unglazed depending on your preference along with all the usual ancillaries such as cills and ventilation options.

Choose between internal or external beading along with chamfered or sculptured profiles from the leading systems houses. Our in-house technical team can advise on the best finish to achieve your needs.

## Tilt and Turn Windows

The A Plus Aluminium tilt and turn window, is a practical solution for high and mid-rise installations combining ventilation with easy cleaning facilities and large span openings. We are also seeing increasing use in single and two-storey buildings.

Cleaning is made easier with the simple turn of a handle; the window has an inward opening feature giving access to both the internal and external panes and on certain products a safety locking handle which means the turn mode can be locked off to unauthorised users. Our tilt and turn window is often used in curtain walling at height. The windows can be designated as a fire escape as they allow maximum egress in the event of emergency.

The thermal rating ensures that tilt and turn windows not only offer the user slim sightlines but offer the best insulation and savings on energy usage.

## Smoke Vents



A Plus Aluminium is proud to be an SE Controls Trade Fabricator Partner, and possess the qualifications to offer fully certified and CE Marked smoke vents. Where windows are utilised for smoke ventilation they must be CE marked

to EN12101-2, mandated by the Construction Products Regulations 2013. To comply both vent and actuator must be tested together at an independent accredited test facility, and fabricated under a third party audited process.

A Plus Windows & Doors can offer fully certified Metal Technology, Reynaers, Sapa & Technal smoke vents on specific tested profiles, offering delivery of the vent with pre-fitted actuators in accordance with the prescriptive test detail, fully compliant and certified.



## Fully Reversible Windows

The A Plus Aluminium reversible window is, as the name suggests, fully reversible. It is suited to most property types but is especially popular for high-rise housing applications, where ease of cleaning is paramount. Our windows can be fully rotated to allow cleaning of the external face from the inside.

Designed to allow maximum ventilation yet retain safety, with a restricted opening. Once installed the window can be operated without disturbing any blinds or fixtures.

A Plus Aluminium has supplied reversible aluminium windows for installation in offices, apartments and townhouses, in both the public and private sectors.

## Pivot Windows

Our pivot window is the ideal choice for unobstructed views offering a large opening for maximum ventilation and light, a key factor for high-rise building specification.

The sash brake lock can secure the window at the desired opening and is fully reversible for easy cleaning, all from the inside. This versatility makes the pivot window ideal for a variety of markets; from residential, education and healthcare to more commercial applications such as office blocks. The windows also provide increased ventilation in confined spaces.

We can achieve high thermal performance by using a unique polyamide thermal barrier, enabling Part L of the building regulations to be met.

A Plus Aluminium has supplied pivot aluminium windows for installation in offices, apartments and townhouses, in both the public and private sectors.

## Parallel Windows

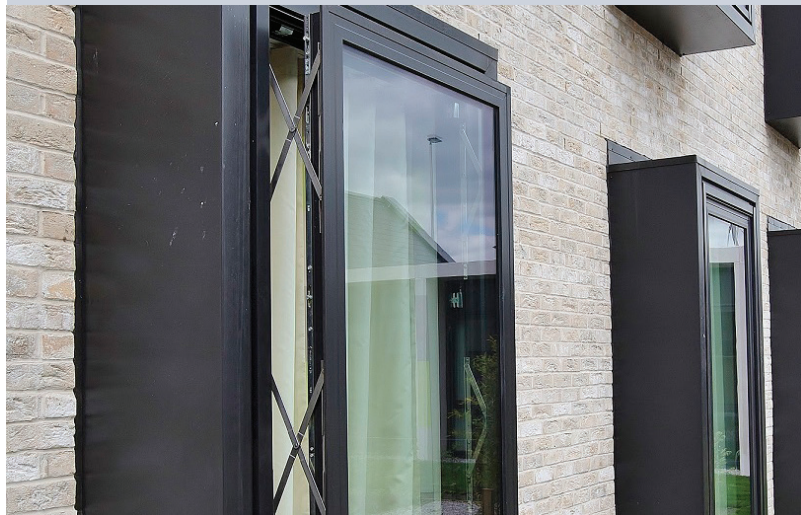
Aluminium parallel windows are a refreshing option for architects and specifiers looking to create impact and maximise performance.

Opening along all four sides to a consistent dimension, our parallel window offers the best possible ventilation, with increased performance almost double that of a traditional casement window. Offering a fully tested window to the latest building standard is paramount to all our manufactured products.

We fabricate a parallel window which fully utilises its vent design; fresh air is drawn in at the bottom and stale air is expelled at the top. This air flow promotes good circulation, maximising both high and low ventilations zones while keeping draughts to a minimum.

Our parallel windows are installed in offices and colleges where CO2 levels need to be kept low. Easy, efficient operation of the window to place it in the open position ensures everyone can operate whilst offering maximum security.

Parallel windows can also have powered gearing fitted to provide a mechanical opening system which can also be linked to your Building Management System. Several variant positions can be set ensuring easy operation and increased ventilation.



## Sliding Windows

Sliding windows offer a solution for challenging locations, like counter-top openings or where inward or outward opening is restricted, without compromising thermal performance, ventilation or security.

Using profiles from our systems partners, we can manufacture a horizontal or vertical sliding window with slim sightlines and large opening capacity. We can also offer many extras, such as specialist security hardware for use in premises such as mental health establishments.

# A Plus Doors & Hardware

## Types & Styles



Our vast experience gained over 30 years means we have manufactured everything from automatic, swing to manual doors in all sizes, colours and specifications.

Our knowledge and experience means we can recommend the right product for your application from our chosen supply partners. Aluminium doors combine maximum strength with the low maintenance characteristics often required in commercial and residential applications.

We regularly manufacture and supply disabled entrance, fire escape and controlled access/exit doors.

All our commercial aluminium doors are supplied pre-hung, fully-fabricated, glazed or unglazed to your requirements. We offer a variety of closers, panic exit devices, locks and automation systems alongside a range of options including thresholds, framing and miscellaneous hardware.

Our doors are available in a wide range of RAL colours and from stock in grey, black and white. A huge range of colours are available from our powder coating partners including dual colour, which is becoming increasingly popular.

Our products are all made in Britain and delivered to you on our dedicated and unbranded transport to ensure safe arrival on site.

### Bi-Fold Doors

Fabricating a range of quality bi-fold door systems, including our own A Plus Essentials door. We also offer a choice of system suppliers allowing you to choose a door based on performance and budget requirements. Our doors offer minimal sight lines and dimensions up to three metres high.

We offer the flexibility in the number of glass panes, opening in or out, a choice of threshold details and an adjustable jamb as standard.

The slim aluminium frames are lightweight yet durable, and advances in glazing technology mean that our bi-folds not only look great but are thermally efficient. Weather tight seals improve their thermal performance further.

Security is utmost in our design of all folding doors. The hardware used ensures each bi-fold door has the latest security features to ensure peace of mind for all customers. We offer a Secured by Design specification if required.

We have supplied thousands of bi-fold doors to builders, architects and contractors alike. Our reputation is paramount as it reflects on yours.



## Entrance Doors

Our commercial entrance doors are strong, durable and low maintenance to withstand repeat usage. Our doors are regularly fitted into shop fronts, offices and accommodation blocks. All doors are designed and manufactured for constant use.

A range of low thresholds compliant with Part M of Building Regulations for easy disabled access doors are also available.

We offer alongside a choice of glazing, a huge range of specialist hardware locking options with a range of products for most specifications. Add in panic exit devices, maglocks, automatic entry systems, finger protection, powered opening and now digital fingerprint readers. All hardware is compliant to the latest regulations including options for DDA compliance. We can also supply a stainless steel option if required, for durability and a modern contemporary look.

Our vast trade experience means we have worked with many bespoke requests. Finger identification, key pad and code entry systems are becoming increasingly popular on entrance doors. The entrance door is usually the first thing noticed when approaching a building so our choice of colours, hardware and glass are vital to the finished aesthetics.

We can provide commercial doors products compliant with PAS 024 and Secured by Design.



## Sliding Doors

Sliding doors are a popular option for many applications from apartments to new commercial projects. We offer sliding doors to suit all requirements from simple patio doors to high specification sliding doors perfect for individually designed homes or project solutions.

Sliding doors can be a cost-effective alternative to bi-folding doors and a great space saver when compared to French doors. With slim aluminium sightlines, less frame and more glass so each pane allows as much light as possible. We can provide sliding systems with  $U_f$ -values as low as 1.07  $W/m^2K$  and sliding panel sizes up to 3 metres high and 400kgs in weight.

Sustainable and environmentally-friendly, we use an aluminium system profile to achieve a quality, high-performance sliding doors offering large areas of efficient glazing. Thermally efficient, high-security locking systems, and corner details complete our offer.

Two, three, four and six panels are available as standard on a single, double or triple track.



# Curtain Walling & Brise Soleil

Our curtain walling is manufactured for practicality, ease of installation and long-lasting durability. Offices, food and retail outlets, hotels, schools, colleges and leisure facilities have all benefitted from curtain walling manufactured by A Plus.

With our experience, we can support you in your specification and installation of aluminium curtain walling. Architects and specifiers can choose from the leading aluminium systems, from standard capped systems, to structural glaze options in both 50mm and 60mm systems.

We provide clear product information and have developed our own site assembly guide to make sure all profiles are easily identified and ensure your time on site is the most efficient possible.

A complete range of finishes is available and ensures a complete colour match to any projects you have in mind. The enhancement curtain walling provides is easy to see but it all also offers increased thermal performance and the glazing provides for stunning expansive finishes.

We also offer bris-soleil as an additional service to many curtain wall projects. Our regular clients like the versatility our systems can offer with a variety of aesthetic options and our technical advice both pre-and post-installation.

Technical information is available on request and we can provide support on the best solution for each project. Add in the option of Smoke Vents to EN12101-2 and you have a complete facade supplier.





# Roof Products

Our aluminium roof light range comprises lanterns and roof lights in varying styles. Perfect for a range of commercial uses.



## Roof Lights

A roof light can transform even the smallest of spaces, allowing natural light to flood in. Ideal for installation in hallways, landings, kitchens and living spaces, all of which benefit from natural light; giving that added wow factor to a new build or refurbishment project.

The traditional pyramid shape lights can be fitted with automatic vents for increased ventilation, if required. In fact, with electric automation they can be pre-programmed to open and close if it rains. All skylights can also include vents to ensure maximum ventilation even in confined areas.

Roof lights can be fitted to both pitched, tiled roofs and flat roofs and are accepted in heritage and conservation areas. We have supplied roof lights to many commercial buildings particularly schools and visitor attractions. The slim line roof lights provide maximum light to any building and the design ensures that each product utilises the space perfectly.

## Roof Lanterns

Roof lanterns can transform a room, offering natural light and ventilation plus style and ambience. We offer a wide range of styles and configurations to suit many commercial buildings, often replacing a flat roof.

With contemporary and heritage lanterns, we have a style to suit most properties. The lanterns are always stylish and offer a great alternative to the upvc option.

Our slim line frames offer the best in water tightness, quality of finish and thermal efficiency, all delivered to competitive lead times. We offer both standard and bespoke designed lanterns to suit most properties.

We also offer an electric or manual opening system for the roof vents, for added ventilation. We can provide automatic vent systems, easy to install and virtually maintenance free.



# Work with us



## Technical/Sales Support/Deliveries



We realise that above all else you need a reliable commercial partner, one which you can plan your business around; deliveries when you need them, where you need them; quick quote turnarounds so you can pick up new business which reflects your service levels and then reliable lead times to plan your installation around.

All our aluminium products are fabricated to your specification and we offer support throughout the process, from enquiry to quote to delivery, and after sales service on-site, if required.

Our quality assurance standard ensures the whole process, is handled in a controlled and measurable way. Our products are checked routinely during production at our Watford factory. Our friendly and knowledgeable team keep you informed throughout, on timescales and final delivery scheduling.

We also offer a premium fast turnaround service on high-moving product lines so if you need a last-minute window or door, and need a quick turnaround we will always do our best to help you find a solution.

Our in-house support team can assist with thermal performance; wind load calculations and installation guidance. If required we can attend site or design meetings with you to guide you through the product choices available. In turn we are fully supported by our supply chain partners and suppliers and can access the latest product support and assistance when required.

# Case Studies

## Who we work with

Over three decades we have worked on major projects alongside architects, contractors and project installation teams. Public buildings such as schools, offices and hospitals have all benefitted from our knowledge and many are testament to the longevity of aluminium fenestration. In private homes and apartments, the growth of aluminium over upvc has seen a huge rise in installation in recent years and our design led windows and doors have been at the forefront.

Our range of window and door options provide a robust solution especially for display windows and entrance halls. Some of the projects we have worked on include shopfronts, restaurants, pubs, cinemas, and showrooms.

### **Some of the clients who had our products installed include:**

- Barclay Homes
- Taylor Wimpey
- Galliford Try
- Barratt Homes
- LHC
- Numerous University and Public Sector establishments





## Full Product Range

- Residential and Commercial Windows
- Entrance Doors
- Commercial Doors
- Folding / Sliding Doors
- Curtain Walling
- Brise Soleil
- Shopfronts / Facades
- Roof Lights and Lanterns

For more information about our products and services please contact us.



Units 14-18  
Moor Park Industrial Centre  
Tolpits Lane | Watford | WD18 9EZ

**T** +44 (0)1923 225 855  
**E** sales@apluswindows.co.uk  
**W** [apluswindows.co.uk](http://apluswindows.co.uk)

**A+PLUS**  
ALUMINIUM

stillwater  
GROUP

