

ARCHITECTURAL ALUMINIUM

SYSTEMS

INSPIRED DESIGN.
PRACTICAL SOLUTIONS.

**GIVE YOUR PROJECT THE
CREATIVE EDGE**





WHERE DESIGN AND ENGINEERING MEET

Established in 1982, JWD Architectural Aluminium is a leading manufacturer of bespoke aluminium products for the building and construction industry.

We provide mill finish and polyester powder coated rainscreen and façade systems, roofline fascias and soffits, rainwater goods and many other architectural details in standard and non-standard sizes.

With our product knowledge and expertise, and a commitment to innovation, quality and customer service, we are regarded as one of the leading authorities in our field.

A HIGHER STANDARD OF

JWD products are fabricated in our dedicated manufacturing facility in Hyde, near Manchester. We also have our own in-house automated powder-coating facility where products are pre-treated and finished, ensuring complete end-to-end quality control of the manufacturing process.



MANUFACTURING
IN BRITAIN

Our state-of-the-art manufacturing is both responsive and flexible, enabling us to create custom-made, cost-effective fabrications at short notice. As a result, lead times can often be greatly reduced - essential to keeping a project on target.

ENGINEERED EXCELLENCE



Suited to a wide range of projects and applications, our product range includes:

- Rainscreen Cladding & Building Façades
- Fascias & Soffits
- Roofing & Balconies
- Doors & Windows
- Rainwater Products
- Bespoke Aluminium Solutions



Certificate No. 6892
ISO 9001: 2008





A REPUTATION BUILT ON

JWD's bespoke aluminium solutions have earned a strong reputation for quality and value amongst roofing & cladding contractors, general builders and main contractors throughout the whole of the UK. In addition, architects and building designers have come to rely on our technical expertise and creative problem-solving approach to help make their architectural vision become reality.



Working with some of the biggest names in construction, we develop long term collaborative partnerships with architects, specifiers, main and sub contractors, local authorities and other building specialists.



In addition to supply only, JWD also offers a complete supply and installation service throughout the UK. We have our own in-house installation teams as well as a network of Approved Installers that can either work directly with the main contractor or as a third party with sub contractors.

JWD's technical engineering specialists are available throughout the life cycle of every project, no matter how small, to help ensure that the most complex jobs are completed to specification, on time and within budget

EXCEPTIONAL PROJECTS

RAINSCREEN CLADDING

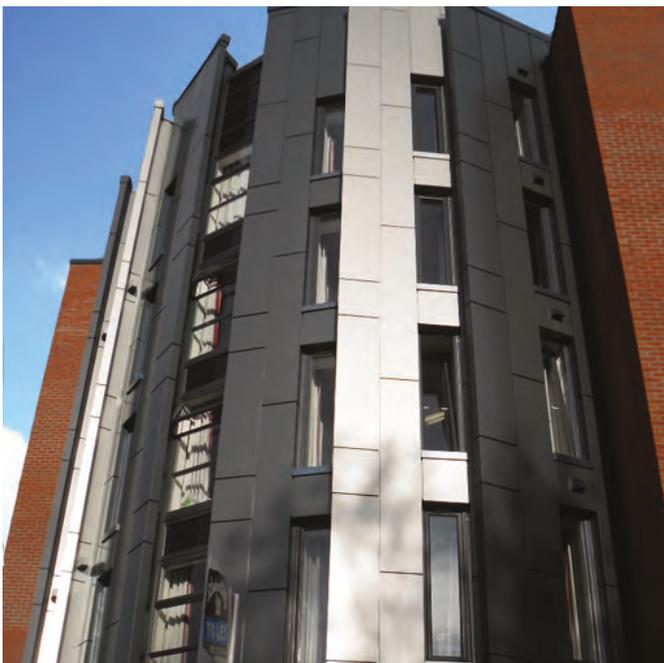
& BUILDING FAÇADES

Building façades in polyester powder coated aluminium have become a key feature of the contemporary urban environment. As an alternative to curtain walling, it offers greater flexibility and an endless range of colours.

JWD Rainscreen Cladding Systems create a sleek, modern façade that gives buildings an air of sophistication. They can be used on new build projects or to clad existing buildings undergoing refurbishment.

Supplied in regular rectangular panels or bespoke profiles to fit special architectural details, our Rainscreen Cladding Systems can be used to cover large areas in consistent colour. Alternatively, interest can be added by juxtaposing areas of contrasting and harmonising colour or by placing cladded areas next to traditional materials.

JWD also supplies bespoke ancillary products, including trims, window pods, rainwater components, wall cappings and balcony edging products to complete the aluminium cladding system. Our Rainscreen Cladding Façades can also be used in conjunction with External Wall Insulation to reduce the carbon footprint and maximise the energy efficiency of the building.





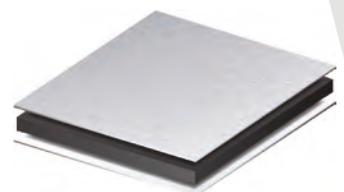
Alucobond® Composite Cladding

First created in 1969, Alucobond® is now the market leader in composite aluminium cladding and is specified world-wide for architectural façades. Made from two outer layers of aluminium, encasing a robust plastic centre, Alucobond® has qualities that make it the go-to product for countless building façade applications.

Alucobond® is light, tough, versatile and extremely flat. It is available in a wide range of colours, including sparkling iridescents and 'spectra' colours that shift and change as the viewer moves. Whilst in practical terms Alucobond® is a reassuringly rigid material, it is highly flexible in terms of its usage as a creative and inspiring architectural medium.

In addition to full façade cladding, Alucobond® can also be used to fabricate amazing colour-keyed soffits and fascias, as independent building features or to co-ordinate with other building components.

Equipped with dedicated, computerised machinery, JWD Architectural Aluminium is a specialist manufacturer of Alucobond® components. In addition to providing Alucobond® cladding panels and tray sections for small to medium-sized areas, we also fabricate special profiles to complete the system, such as window pods, trims and balcony edgings.



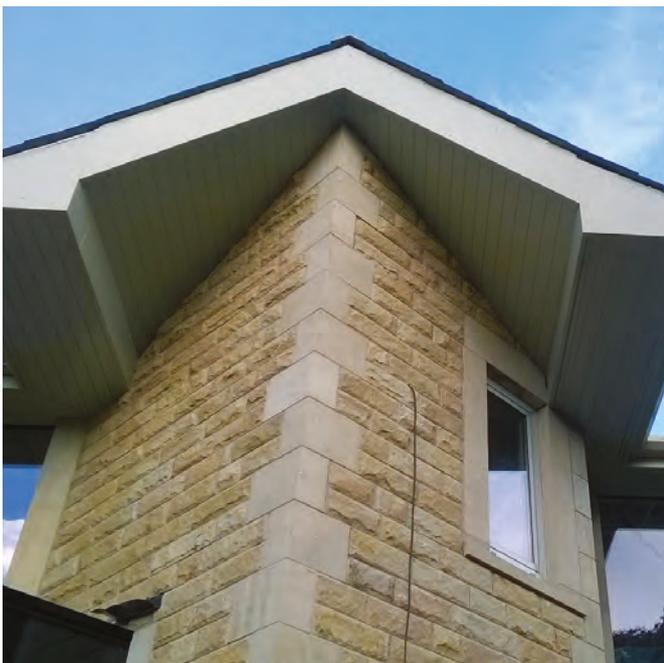
SOLUTIONS FOR

FASCIAS & SOFFITS

Profiled aluminium soffits and fascias offer a cost-effective, integrated roof to eaves protection solution which is corrosion and weather resistant and virtually maintenance free.

At JWD we specialise in creating architectural roofline finishes that incorporate stunning dynamic curves and angular detail. We manufacture a range of standard and non standard sections with visible or hidden rainwater elements. They can be fabricated from profiled or planking-based aluminium and the entire system can be colour coordinated to combine individuality with a practical and long lasting building detail finish. Almost any size and shape of system can be designed to specific requirements and to complement the age, size, shape and desired finish of the property.

JWD's Girder Line is a special type of aluminium fascia, designed to emulate the edge of an RSJ (Rolled Steel Joist). This product is particularly popular amongst architects who are creating new buildings in former industrial areas, or converting old factories and warehouses into modern loft apartments. Girder Line can be discreetly fixed to the roof edge, the side of the building or any other location in which they can create an eye-catching feature.





JWD Curved Air “Bullnose” Fascia System

The JWD ‘Curved Air’ Roofline System is an attractive and practical solution for completing buildings of all kinds at the conjunction of wall and roof. Available in any polyester powder coated colour, the cool, curved aluminium profile - sometimes called ‘bullnose’ profile fascia - makes a striking visual design statement. The rounded leading edge hints at aircraft wing design and has overtones of ‘streamlining’.

The attractive Curved Air System combines soffit and fascia functions with a concealed gutter, and is also eminently practical. For example, an additional advantage is that the smooth, curved surface design makes it extremely difficult for would-be thieves and vandals to find hand and toe holds.

JWD’s Curved Air Roofline System is extremely versatile. The depth of overhang, characteristics of interior brackets, diameter of curve, and location and size of gutter are all amongst the variables within the design. Our expert team can manufacture to meet your precise specifications and work with you on the individual details of the design as required. The system also works in harmony with most roofing materials and wall finishings and JWD can provide a range of complementary components in matching or contrasting colours, such as cladding (façades), wall cappings and downpipes.



SOLUTIONS FOR

ROOFS, WALLS & BALCONIES

Aluminium offers an excellent alternative to a range of traditional materials that are specified on roof, wall and balcony details.

Indeed, aluminium can often provide a superior, more practical solution. For example, lead oxidises, causing streaking on brick and stonework, and whilst this is unattractive to the eye, the material itself is attractive to thieves. Elsewhere, concrete and stone copings are prone to water ingress at the cement line, which can result in their coming loose over time. Silicone-sealed, polyester powder coated aluminium does not share these problems and, being light and easy to install, makes a cost-effective and modern solution.

JWD's ingenious range of aluminium solutions includes balcony feature cladding and matching balcony drainage channels. Products can be supplied 'mill finish' or polyester powder coated in the colour of your choice.

Aluminium is also an excellent alternative to traditional lead roof flashings. It is a light and incredibly versatile material and, because it is also relatively cheap compared to lead, copper and cast iron, it is of little interest to thieves. JWD can supply and install various types of aluminium trim and flashing for all kinds of applications.





Aluminium Wall Cappings / Copings

Aluminium makes a good alternative to more traditional wall-capping media, such as lead sheet and coping stones. Wall Cappings can be made in a robust, heavy-duty format for industrial buildings, or with a sleeker look incorporating discreet fixings where visual appeal is paramount.

JWD Aluminium Wall Cappings or 'Copings' are made to measure and are available in all sizes and configurations. They can be supplied in mill finish or can be polyester powder coated in any available colour.

As well as linear cappings for parapet walls, we can fabricate special shapes in profiled and welded sheet aluminium. In addition, curved aluminium wall cappings can be bespoke manufactured to the precise dimensions and lines of a building.

JWD Aluminium Wall Cappings are perfect for use as a contemporary design feature on all types of buildings. They can also be colour keyed to match or contrast with other JWD Architectural Aluminium products, such as gutters, cladding, rainwater pipes and window reveals.



SOLUTIONS FOR

DOORS & WINDOWS

Many buildings now feature polyester powder coated aluminium cladding around doors and windows, where once brick or stone may have been used.

JWD are experts at fabricating aluminium components to fill in the gaps between a building's outer skin and the various openings through it, such as doors, windows and vents. This neat, attractive solution works well both with traditional media, such as brick and stone, and also with more modern finishes, such as glass and aluminium cladding.

Requirements of this type tend to be different on every project, and JWD are therefore able to bespoke manufacture to suit your specific needs. The finished article can also be powder coated to match or contrast with other areas of the building.

Where possible, fixings can be hidden in shadow lines to create a sleek finish. Any visible fixings can then be colour keyed to blend in with the powder coat finish. Ventilation slots can also be incorporated into the design as required.

JWD can supply door and window claddings as part of an overall package, including, for example, rainwater pipes, gutters, roofline systems and wall cappings, all fabricated in aluminium and polyester powder coated.





Window Pods and Reveals

We also manufacture a wide range of window pods and reveals. Window Pods/ Cassettes tend to be a prefabricated, complete welded component which is fitted as a discrete item, whereas Window Reveals usually come as a set of connecting components which are adjusted and assembled into position on site.

Products of this type might be quite simple, covering a shallow distance from the building's exterior cladding to the window frame, creating an attractive feature and excluding rainwater. On other occasions, the distance can be quite deep and may incorporate cladding panels, tongue-and-groove aluminium planks, ventilation systems and more.

Window Reveals are generally bespoke manufactured for the needs of each particular project. Upon request, they can be polyester powder coated to work with other architectural components or to stand out as highlight features of a building. They are regularly used alongside aluminium façade cladding, Alucobond® and other types of composite cladding, render, brickwork and glazing.

The JWD Range Includes:

- Doorway & Porch Cladding (inside & out)
- Aluminium Window Linings / Reveals
- Feature Entrance / Exit Cladding
- Canopy Fascias with Tongue & Groove Soffit Planking



ALUMINIUM

RAINWATER PRODUCTS

Offering many advantages over ferrous and plastic systems, sectional and seamless aluminium rainwater systems are now the preferred choice for many specifiers.

JWD offers a comprehensive portfolio of aluminium gutter profiles, complete with rainwater pipes, hoppers, soffits, fascias and roof-line systems, to suit traditional, heritage and contemporary applications. The range includes castings, extrusions and profiles, and incorporates designs which can be integrated and concealed in roof-edge systems.

JWD Sectional Aluminium Rainwater Systems are tough, efficient, attractive and durable, as well as light and easy to install. Our technical staff are on hand to offer expert help with all aspects of design advice and product information.

We also supply Seamless Aluminium Gutters which are fabricated on site to suit the precise measurements of the building. They incorporate BBA Approved coiled aluminium and can be rolled out to any reasonable length. In some cases, an entire row of terraced houses can be served without the need for joints.





Bespoke Aluminium Rainwater Products

Many contemporary architectural schemes call for a rainwater system or complete roofline solution that stands outside of the standard range of products and profiles. Where this is the case, JWD can provide bespoke aluminium rainwater systems that are tailored to suit the particular requirements of each individual project.

JWD's bespoke aluminium rainwater products include sectional gutters in specially profiled shapes, and more comprehensive systems, in which the gutter complements a soffit-fascia system or is concealed within a complete roof-line design. Combining rainwater systems and customised architectural fabrications, JWD can provide a comprehensive solution for most applications.

The JWD Rainwater Range Includes:

- Sectional & Seamless Rainwater Systems
- Circular, Square & Rectangular Downpipes
- Vandal Resistant Rainwater Systems
- Boxed, Half-Round & Moulded Ogee Gutters
- Bespoke Valley Gutter & Gutter Liners
- Cast, Extruded & Profiled Aluminium Options
- Complementary Hopper Heads & Accessories



BESPOKE

ALUMINIUM SOLUTIONS

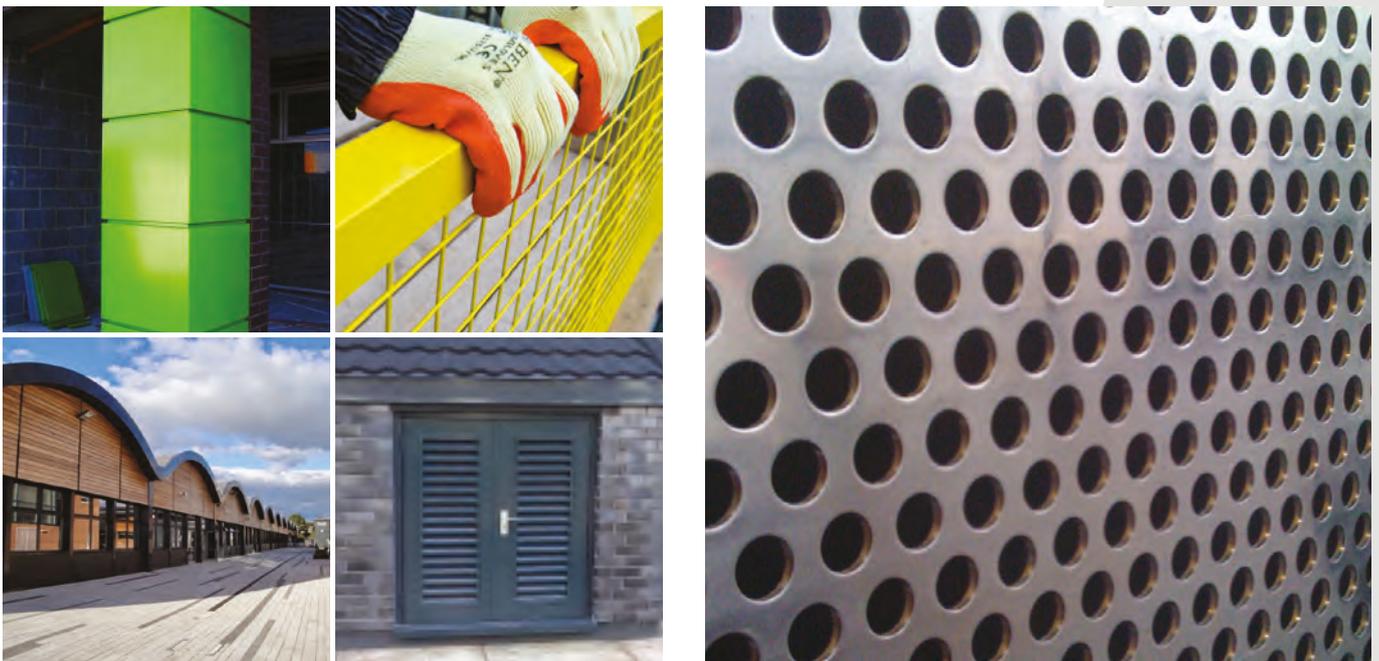
JWD is able to manufacture a wide range of bespoke products for the construction industry. This includes gates, perforated screens, casings and solutions for insulation.

Scaffolding Gates

In addition to aluminium, we also fabricate bespoke solutions in other materials such as steel. For example, we make two types of scaffolding loading bay gates. The first type has an up-and-over hinged design, whilst the second type comprises pivoting side bars which allows the main gate to be created from alternative scaffolding tubes and mesh.

Perforated Aluminium Screens

Bespoke manufactured perforated aluminium screens are light, adaptable and attractive, and can be fabricated to fit a variety of needs. For example, they can be used to cover unsightly areas, protect or decorate building elements, and filter or obscure vision. In addition, because it is effectively an open mesh, perforated screening is also especially useful where air circulation is a priority.





Louvres

JWD provides bespoke manufactured louvres which are suitable for use on commercial and industrial applications where a sharp and precise profile with a continuous unbroken appearance is required.

Aluminium louvres are ideal for preventing wind-driven rain entering a building, whilst still providing the required air flow for natural ventilation. They can also be used as a screen to help hide unappealing plant and machinery commonly found on roofs.

Bespoke Aluminium Gates

JWD bespoke-manufactures a range of aluminium gates to suit your design and size requirements. The gates are suitable for almost all purposes and are polyester powder coated in any colour, including metallics and other special finishes. They make a stylish alternative for entrance gates, but also as doors for plant rooms and meter houses, and they can be colour-keyed to match other building components.

JWD Architectural Aluminium gates are not prone to rotting or splitting like timber, or rusting like steel and iron and, because they are aluminium, they also weigh much less. This makes the products extremely easy to handle – even in large sizes – and also makes them particularly well-suited to motorised opening mechanisms. They can also be made with simple, clean lines, or complicated curved and geometric designs – the possibilities are virtually endless.



BESPOKE ALUMINIUM SOLUTIONS SINCE 1982

HERE TO HELP

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