

BAILEY INTRODUCTION

SINCE 1975 BAILEY HAS BUILT UP AN ENVIABLE REPUTATION AMONGST ARCHITECTS, CONTRACTORS AND CONSTRUCTION CLIENTS FOR HIGH QUALITY, COST EFFECTIVE EAVES SYSTEMS

Bailey's reputation has been won through experience in working with leading architects and clients who demand the highest quality as well as new and innovative construction ideas.

Today Bailey is in the forefront of eaves design and has developed systems that make construction speedier and more cost effective without compromising performance or appearance. Today's systems have been developed from bespoke designs created by Bailey and provide quality eaves and cladding features that enhance and add value to a wide variety of buildings whilst being swift and efficient to install.

BAILEY APPROACH

Bailey manufactures a complete range of products and systems, both standard and purpose made, for cladding and eaves detailing. These include:

- composite eaves;
- complete gutter, fascia and soffit assemblies;
- standard external rainwater systems in a variety of profiles and in modern and traditional styles.

Bailey's eaves systems fall into three categories:

- fully bespoke;
- bespoke assembled from standard components;
- modular bolt-on systems.

Innovation

Bailey's innovative approach has resulted in products that reduce construction time and cost.

For example Impact Eaves have the advantage of being simply bolted to the building exterior without the need for expensive steel outriggers.

Where bespoke eaves are required Bailey offers two alternatives – a complete bespoke service or standardised components that can be combined to create unique eaves

without the complexity and cost of fully bespoke systems.

Aluminium

The majority of Bailey products and systems are manufactured in aluminium because of the unique advantages it offers the construction industry. Its high strength to weight ratio and resistance to corrosion make it ideal for external building components such as eaves, fascias, soffits, gutters and cladding.

The economic benefits of using aluminium are low maintenance, longevity and material value at the end of a building's life. In addition aluminium is a sustainable material with strong environmental credentials.

Finishes

Bailey components are usually finished with an architectural polyester powder coating. Bailey operates its own coating plant so that quality standards for pre-treatment, application and environmental friendliness can be observed.

Polyester powder coatings are available in a range of over 200 RAL colours, including gloss, satin and matt finishes. Metallic and Futura Special Effects are also included in the range. A 25 year guarantee is usually available. In addition anodising and PVDF are offered either as pre-finished material or post coatings.



Cardiothoracic Centre, East Surrey Hospital



Barratt Apartment Aspects, Chelmsford



Robin Hood Airport, Doncaster



Hastings Station

Benefits

Bailey eaves, gutter and rainwater systems have the following important benefits:

- complete eaves package from a single supplier;
- design freedom and versatility to meet profile shape and appearance required;
- impact eaves can be simply bolted on to building elevation;
- strong, durable and very low maintenance;
- tried and tested over many years and many successful projects;
- allowance for building tolerances within system design reduces delays on site;
- discreet ventilation to avoid dust build up;
- concealed fixings ensure crispness and smoothness of installation;
- wide choice of durable finishes and colours;
- sustainable and environmentally friendly materials;
- long life expectancy;
- swift and efficient to install.



Entrance Canopy, Epsom

SAFE AND RECYCLABLE PRODUCTS



Recycling

30% of the UK's regulated waste results from construction. Some of this is generated at the fabrication stage, some on site during the building process and a good proportion during demolition. The UK government is keen to reduce waste throughout industry in general and to reduce or abolish the use of toxic or environmentally damaging materials and potentially hazardous waste. Because aluminium is both 100% recyclable and non-toxic, the metal has a valuable part to play in improving the environmental performance of the construction industry.

Safety

Aluminium is non-toxic, safe to handle and there are no health problems that have been related to its use. It has been successfully and safely used for saucepans and food storage for many decades.

Aluminium's natural oxide does not affect the acidity of water falling on it. So run off water from aluminium roofs and cladding is non-toxic and will not harm animal or plant life. It can be safely collected and used for fish ponds or gardens. Aluminium is also non-combustible.

The process used in Bailey's powder coating plant is not solvent based nor

does it use demineralised water. Final degreasing run off from the operation has been fully tested and approved as clean.

Sustainability

Aluminium is not only the earth's third most abundant element but is almost infinitely recyclable and is rightly considered amongst the most sustainable of the world's resources.

Extraction is carried out in an environmentally considerate manner with old mining sites being restored. Smelting is generally carried out using renewable hydro electric power. The amount of embodied CO₂ is low compared to other construction materials, and unlike many others where the energy used to create the material is lost, the energy used to smelt aluminium is effectively invested and 95% of it will be reused when recycling.

Whole life costing

Increasingly the costing of a project demands that costs be considered for the whole life of a building. Aluminium's physical properties mean that once installed it will last longer and require less maintenance than steel, timber or plastic alternatives, resulting in genuine whole life cost savings.

Further Information

There are product datasheets available for each eaves and rainwater system as well as Bailey's comprehensive technical handbook.

**BAILEY EAVES SYSTEMS
BLATCHFORD CLOSE
HORSHAM
WEST SUSSEX
RH13 5RF**

**T+44(0)1403 261844
F+44(0)1403 264823**



BAILEY

BAILEY EAVES SYSTEMS

LOW MAINTENANCE EAVES SYSTEMS THAT COMBINE AESTHETICS AND VERSATILITY

The eaves is one of the key features of a building's architecture. It provides the important line that heads the elevation, helping to bring together many visual elements and forming the junction between walls and roof. Significantly the eaves is also where rainwater is channelled from the roof as well as protecting and shading the walls, windows and doors underneath.

The eaves therefore has a function to fulfil as well as providing a key area for architectural statement. Bailey specialises in getting this critical building component right in terms of function, buildability and aesthetics.

Bailey Eaves Systems are achieved by one of three methods: fully bespoke systems, design and assembly using Bailey standard components or modular Impact Eaves which are attached simply and quickly to the building.

Manufactured from sustainable and environmentally safe aluminium, Bailey Eaves systems are the result of over 30 years' expertise in the design and manufacture of low maintenance building products.

DESIGNING THE EAVES

Bailey Eaves systems range from complete bespoke systems through standard component fascia and soffit assemblies such as V-Joint and Cassette systems to modern easy to design and install modular eaves products. Whilst there will always

be a need for complete bespoke eaves for high value projects the introduction of the Bailey Impact range with its speed and ease of installation and Bailey Laser-Line have revolutionised the way that eaves are designed and built.

FULLY BESPOKE EAVES

Bespoke eaves can be curved in section, plan or elevation. Curves can be single or multiple radii, producing sweeping combinations of concave and convex surfaces with stepped details, shadow gaps, aerofoils, bullnoses, chamfers and chisel shapes. The designer has almost unlimited freedom for creative expression to complement the building's architecture.

Working from your sketches and preliminary drawings, Bailey has the experience to translate design needs into practical and workable metal fabrication and installation solutions.

Bailey has worked with many leading architects and knows exactly the specialist contribution required.



Exeter Court

I-LINE

Bailey I-Line is an eaves feature that offers new creative possibilities for architects and designers. Inspired by the use of exposed steel beams, and designed to evoke strength and structural integrity, I-Line and I-Line Snap-on bring the benefits of light weight and low maintenance usually unavailable to buildings with exposed structures.

I-Line and I-Line Snap-on can be used as a single feature at the eaves, as an external façade detail within elevations and as a repetitive feature within a fascia. Alone or in combination with other Bailey eaves products, they provide a simple way to add drama and impact to your project without

compromising aesthetic and practical considerations. And because I-Line is suitable for both horizontal and vertical installation, it can be used in combination with curtain wall systems to create original features that will define any building.



Chorley Bus Station

STANDARD FASCIA SOFFIT ASSEMBLIES

Bailey has two standard fascia soffit assemblies specially designed to bring distinctiveness and individuality to a wide range of applications. Each has specific advantages and each produces a very attractive and practical finished result.

Both systems have been rigorously designed and developed to perform superbly, be particularly neat in finished appearance and be installed easily, taking into account normal building tolerances and movement requirements.

Retail shop, Castlepoint, Bournemouth



Cassette

Many designers require soffits that are particularly flush and flat, notably for modern commercial buildings. Bailey's Cassette system fulfils this need and because of its design remains truly flat without the ripples and fixing dimples that arise with simple sheet metal soffits.

Leighton Park School, Reading



V-Joint

Bailey's V-Joint plank is more straightforward and consists of a standard vee-jointed extruded profile, together with purpose designed trims, edge profiles and accessories. In addition to eaves construction, V-Joint is ideal for creating interesting building features such as gable infills and coffers.

MONSOON GUTTERS

Bailey Monsoon is a low maintenance, factory fabricated gutter system lined with a BBA certificated waterproof membrane.

Bailey Monsoon membrane lined gutters offer higher performance than unlined types. Due to effectively seamless jointing maximum drainage efficiency is achieved because rainwater can flow more freely and it is less likely that leaves and other detritus will cause damming.



Shopping Village, Bournemouth

LASER-LINE CARCASSING

Bailey Laser-Line is an accurately fabricated one-piece component that can be aligned using laser beams or traditional methods. As a single component, often for the entire eaves installation, Laser-Line eliminates the use of separate rails, angles and channels, thus reducing the time taken to install carcassing and removing the problems of aligning separate components.

Laser-Line's strength and light weight means that the carcassing brackets fix directly to the structure at as few as two points. Dependent on site conditions, Laser-Line can be installed

using either mobile or standing access. The result is effective and measurable economies of installation.



Broadgreen Hospital, Liverpool

IMPACT EAVES

As the pioneer of the secret fix bespoke eaves system, Bailey became aware of the need for a more modular approach in the interest of reducing site time for both safety and economic reasons. Therefore Bailey has developed its Impact eaves system to provide specifiers, main contractors and subcontractors with an economic and highly buildable solution to eaves detailing, whilst maintaining the high aesthetic qualities of existing Bailey systems. This approach still provides the contractor and client with design flexibility and wide colour choice.

Bailey Impact Eaves offer a wide choice of eaves profiles, verges and details that can be used to provide the complete eaves treatment as well as creating original features that will define and enhance any building.

Offering unparalleled benefits in terms of cost effectiveness and ease of installation Bailey Impact products provide a far simpler approach to eaves construction which can be easily installed to accurate line and level. Eaves of up to 900mm projection from the wall face can be simply attached to one wall face at the wall line.



Student Accommodation, Bournemouth

Further Information

There are product datasheets available for each eaves and rainwater system as well as Bailey's comprehensive technical handbook.

**BAILEY EAVES SYSTEMS
BLATCHFORD CLOSE
HORSHAM
WEST SUSSEX
RH13 5RF**

**T+44 (0)1403 261844
F+44 (0) 1403264823**



BAILEY