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ALUTEC EVOKE

August 2018



ALUTEC
evoke FASCIA AND SOFFIT

Product guide



Joint Services Facility,
Llandrindod Wells, Powys

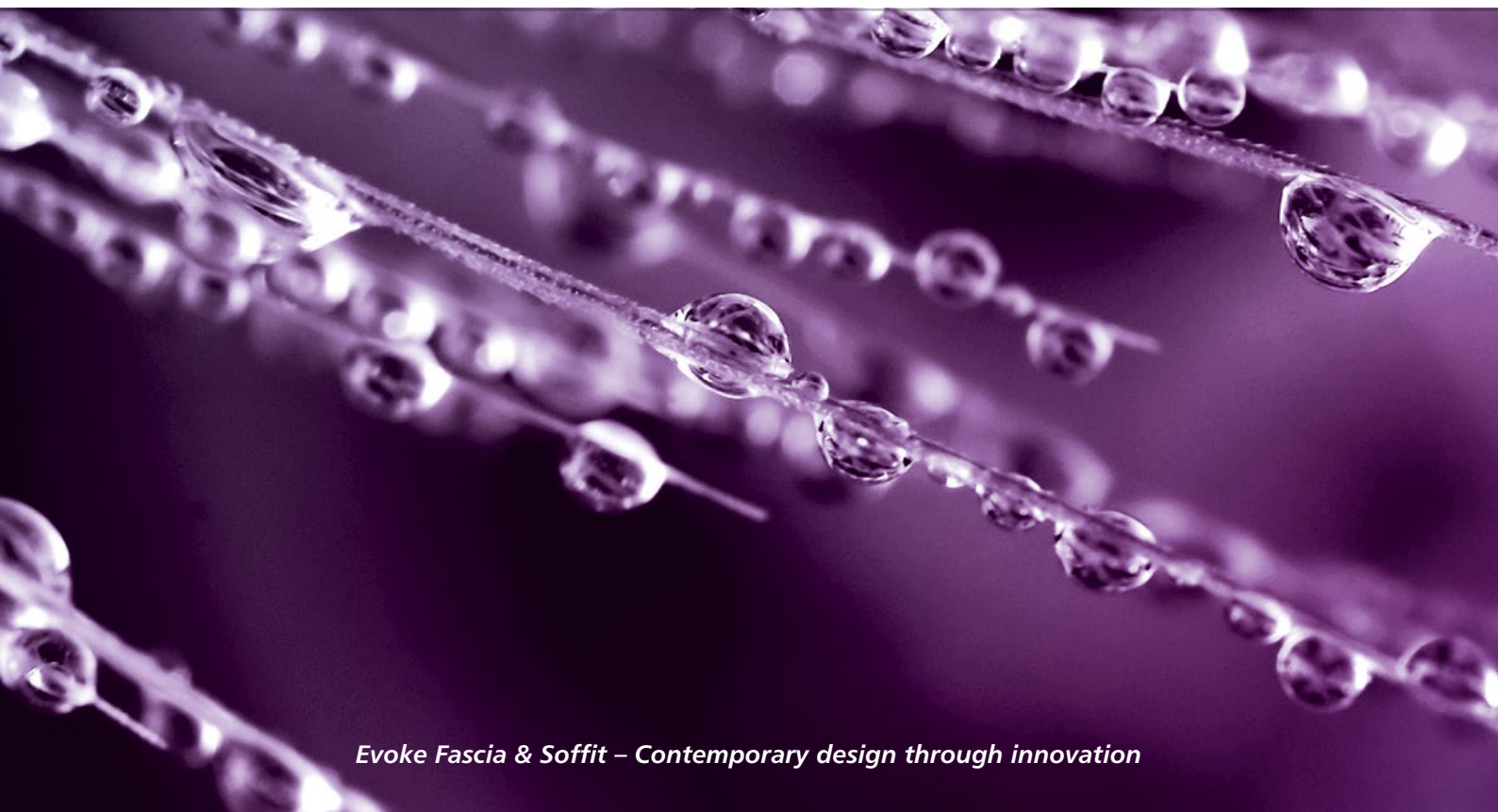


Southwater Visitor Centre,
Telford, Shropshire



Private house,
Belbroughton, Worcestershire





Evoke Fascia & Soffit – Contemporary design through innovation



Introduction

Alutec
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Evoke fascia and soffit

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Alutec is part of Aliaxis, a multi-national plumbing & drainage products manufacturer. Aliaxis is present in over 40 countries and employs over 14,000 people.

Alutec is the UK leader in innovative aluminium rainwater drainage and eaves solutions. Alutec prides itself in setting industry leading standards in technical support, customer service and sustainable product design.

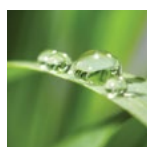
Products

Alutec offers solutions for three distinct areas:

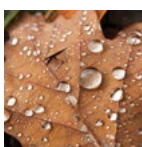
- Eaves rainwater systems
- Fascia & soffit
- Roof and shower outlets

Eaves rainwater systems

evolve



traditional

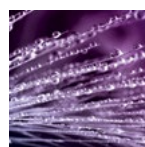


aligator



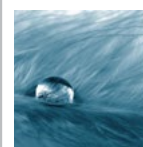
Fascia, soffit & coping

evolve



Outlets

shower



roof



Sustainable product design, quality and performance

Alutec is committed to designing the most sustainable, durable and high performance systems possible. Sustainable design creates products with a lower carbon footprint, longevity and low maintenance. All Alutec eaves solutions have a life expectancy of 50 years or more, all are manufactured using only **marine grade aluminium** and require little or no maintenance.

The performance, quality and longevity of all products are backed by the knowledge that Alutec is a long established and financially sound company and part of the Aliaxis group, ensuring complete peace of mind for specifiers and building owners.





Technical support

The Alutec Technical Services team has many years' experience in all aspects of eaves and roof drainage design for both modern and traditional building methods. We are able to assist with:

- Correct system choice
- Roof drainage design
- Installation advice
- Bespoke design service
- Scheduling quantities
- Fully itemised estimates

All Alutec product specifications and brochures can be downloaded from www.marleyalutec.co.uk

For further technical queries, please call our Technical Services Department on 01234 359438.

Service

Alutec offers a fully integrated turnkey project advisory service; from the initial design stages, right through to completion, ensuring deadlines and delivery dates are met

Building Information Modelling (BIM)

Alutec is at the forefront of product and service innovation and has a full suite of BIM files for the rainwater and Evoke fascia and soffit ranges; to download them, visit www.marleyalutec.co.uk

Product availability

Alutec products are available through all major national and regional building, plumbing and roofing merchants.

Standards

All Alutec systems are manufactured to and in excess of the appropriate BS or EN Standards.

ISO 14001: 2004

Alutec is committed to continually reducing its environmental impact across all its business activities and is accredited to ISO 14001: 2004.

CPD Service

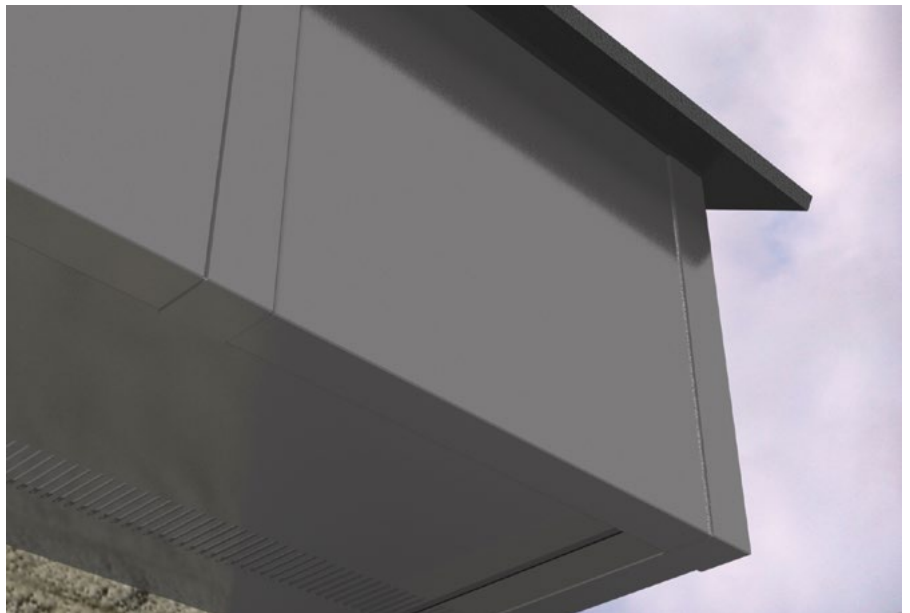
Alutec is a leading CPD provider for aluminium eaves solutions. Alutec's RIBA accredited CPD covers all aspects of eaves design, selection and correct installation. To date, it has been presented to over 5,000 construction industry professionals; to request a CPD, call Alutec on 01234 359438.



The Evoke fascia and soffit range delivers stunning visual impact and offers outstanding value for money with its 50 year life expectancy. The range incorporates a number of different aesthetic options, with jointing by either H-Section Joint trims or bespoke shadow gap* and mechanical fixing or invisible bonding. This variety of design and installation options allows clients, architects and contractors to make the best choices for their project.

H-Section Joint trim system

The H-Section Joint trim method is as fast and easy to install as PVC with unobtrusive Joint trims hiding fascia and angle joints. The Joint trim option can be fixed with either installation option – mechanical fixing or invisible bonding.



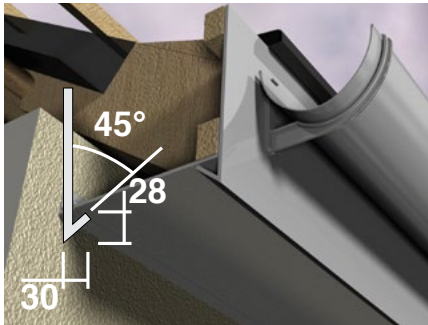
Shadow gap system

Using bespoke one piece corner angles and colour matched silicone sealant in the joints, this system gives the smoothest lines possible*. This aesthetic can be even further enhanced by using the invisible bonding installation method, which removes the need for any visible fixings. This approach delivers a completely sleek finish to enhance any refurbishment or new build project.



The Evoke range offers various profiles and sizes to suit different aesthetic and eaves configurations, together with both vented and unvented soffit boards and copings.

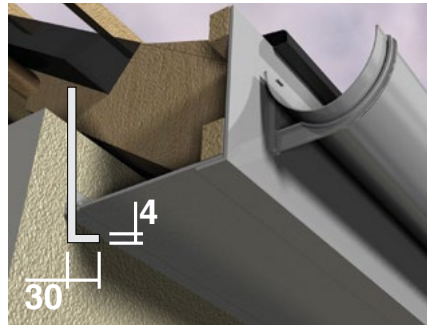
Type A Fascia – 45° angled return



Soffit Panel – Unvented



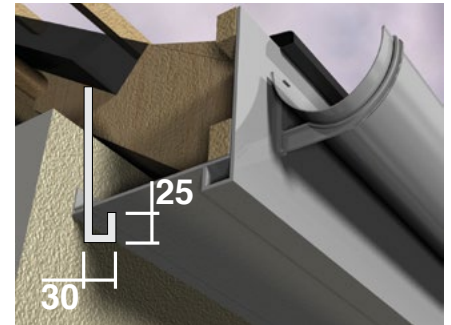
Type B Fascia – L shaped return



Soffit Panel – Vented



Type C Fascia – Box return



Durability and performance

Evoke aluminium composite fascia and soffit is even more durable than conventional sheet aluminium systems. The colour stability of our PVDF fluoro carbon paint finish is unrivalled by any other architectural grade paint finish. It provides excellent and uniform colour retention throughout its 50 year + life expectancy.

Strong, rigid and load bearing

Evoke panels can be fixed directly to roof truss ends, eliminating the need for expensive timber backing boards that traditional sheet aluminium systems require. The end result is a completely smooth and ripple free surface for the direct fixing of all Alutec gutters.

Simple installation

Evoke installs as quickly as PVC and faster than sheet aluminium. The composite nature of the product means that it can be cut, drilled and bent using standard carpentry tools, providing flexibility on site.

Low maintenance

The PVDF paint finish includes a nano additive, making the surface more resistant to build-up of dust, grime and algae, keeping maintenance cost to a minimum.

Refurbishment

At only 4mm thick, Evoke is ideal for over-cladding existing fascias or soffits.

Environmental attributes

The core is made from nontoxic recycled polyethylene, at the end of its 50 year + life expectancy, it can be fully recycled.



Private house, Bedfordshire

Surface Finish

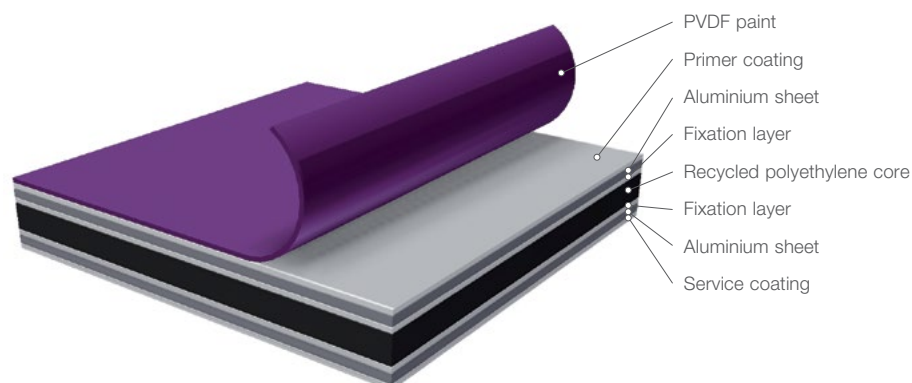
External faces of Evoke panels are coated with a factory applied three layer, three bake Kynar 500 fluorochemical PVDF external architectural grade paint to a 30 – 40% gloss level, incorporating a Nano additive to resist adhesion of grime and moss. The rear surface is coated with a protective lacquer coating.

Colour Stability

The colour stability is unrivalled by other external grade paint finishes and provides excellent and uniform colour retention throughout its 50 year + life expectancy.

Colour Options

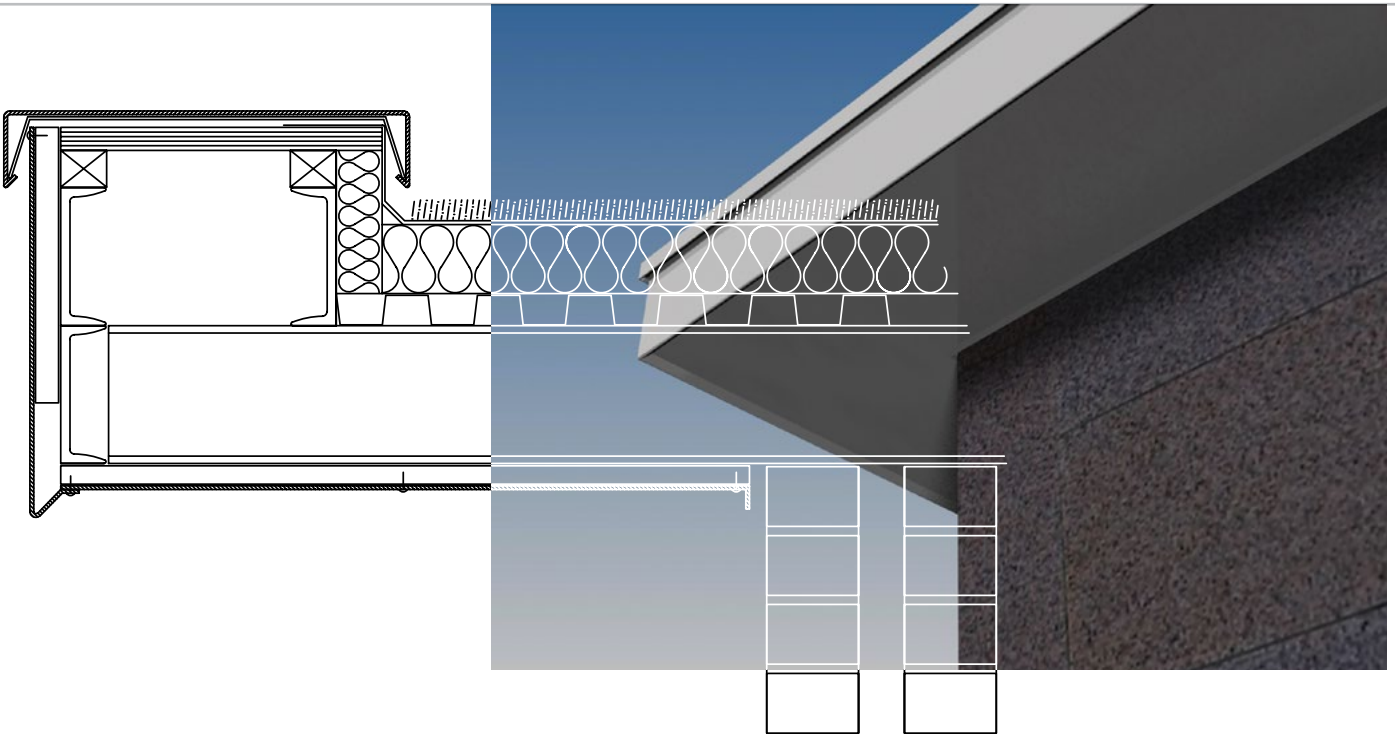
RAL 9010 White	RAL 1013 Pearl White	RAL 9006 Silver
RAL 9005 Black	RAL 7012 Basalt Grey	RAL 7015 Slate Grey
RAL 7022 Umbra Grey	RAL 7016 Anthracite Grey	RAL 7021 Granite Grey
RAL 7036 Platinum Grey	RAL 7037 Steel Grey	BS 08B29 Vandyke Brown



Colours are approximate and for general guidance only. For exact colour and finish reference, colour plates are available on request.

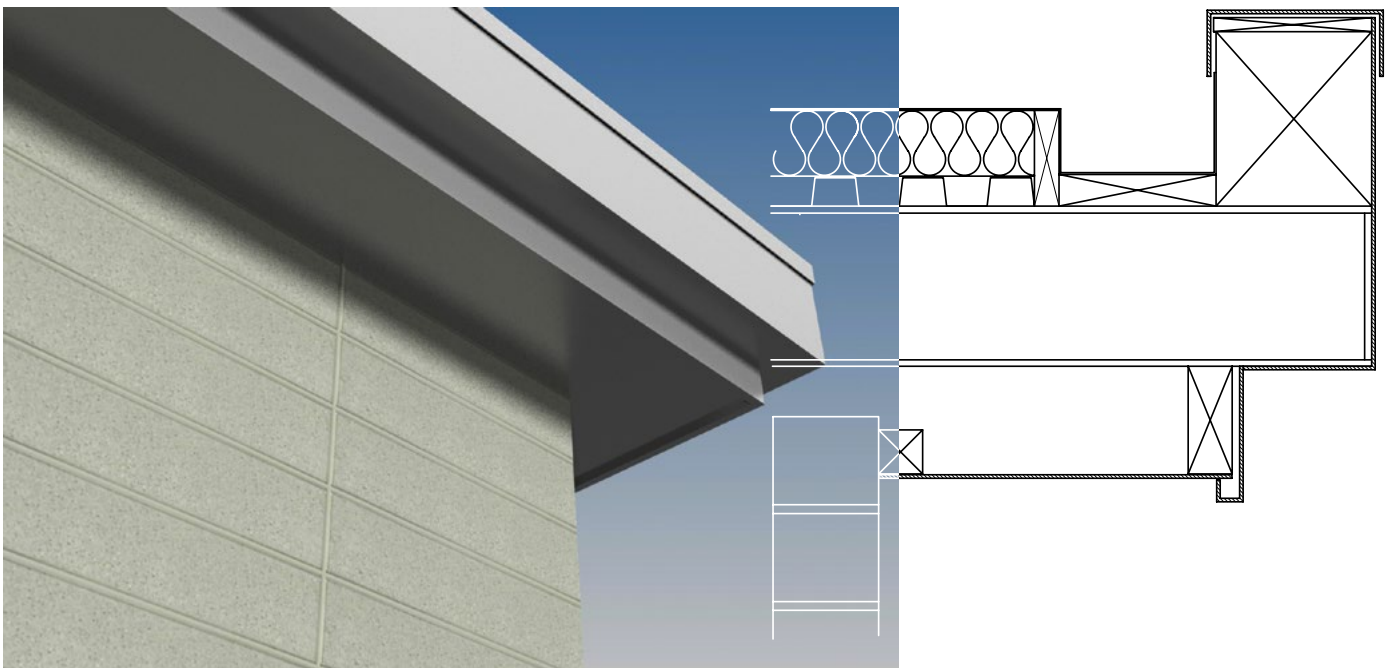
Additional colours are available for special projects subject to a minimum order quantity and lead time. For information on these and the gloss levels, please contact Alutec.

Bespoke design service

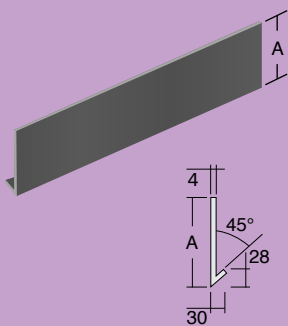


Alutec's experienced Technical Design team is on hand from initial design stage through to completion to ensure the designers' concepts are met. Alutec works with the client to ensure optimum performance of the system is achieved and costs are kept to a minimum, whilst maintaining the intended visual impact of the design.

Alutec has full 2D and 3D CAD capability to keep communication simple and easy in the exchange of ideas. When the design has been finalised, we produce manufacturing drawings for client approval prior to site installation. At final installation stage we will then work with the installers to ensure a smooth installation process.



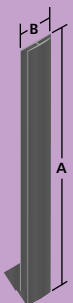
Fascia type A



Fascia A – 3m
30mm Return, 50°

Code	A
FA1120	120mm
FA1165	165mm
FA1200	200mm
FA1250	250mm
FA1325	325mm
FA1450	450mm

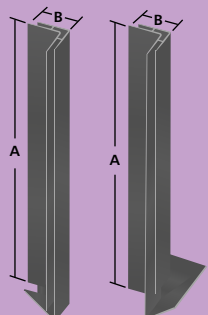
Non standard sizes available on request ①



H-Section joint trim

Code	A	B
FA21	300mm	31mm
FA22	500mm	31mm

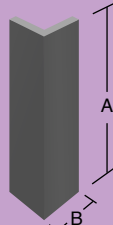
Site cut as required



H-section corner joint trim 90°

Code		A	B
FA61	External	300mm	31mm
FA62	External	500mm	31mm
FA71	Internal	300mm	31mm
FA72	Internal	500mm	31mm

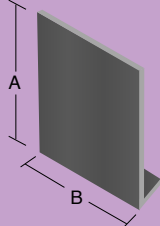
Site cut as required



Universal angle cover trim

Code	A	B
FA30	1000mm	31mm

Site cut and bend as required. Install using a rubber roller or equivalent

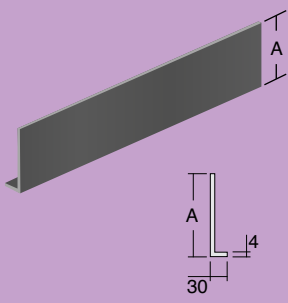


Gable box end

Code	A	B
FA51	350mm	450mm
FA52	350mm	600mm
FA53	650mm	600mm

Site cut as required

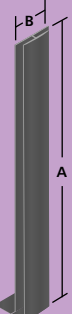
Fascia type B



Fascia B – 3m
30mm Return, 90°

Code	A
FB1150	150mm
FB1175	175mm
FB1210	210mm
FB1260	260mm
FB1335	335mm
FB1460	460mm

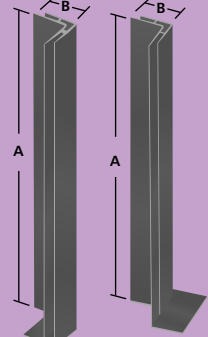
Non standard sizes available on request ①



H-Section joint trim

Code	A	B
FB21	300mm	31mm
FB22	500mm	31mm

Site cut as required



H-section corner joint trim 90°

Code		A	B
FB61	External	300mm	31mm
FB62	External	500mm	31mm
FB71	Internal	300mm	31mm
FB72	Internal	500mm	31mm

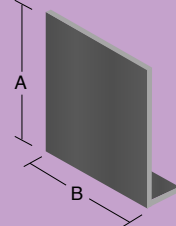
Site cut as required



Universal angle cover trim

Code	A	B
FB30	1000mm	31mm

Site cut as required



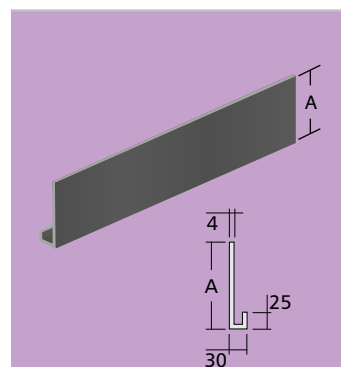
Gable box end

Code	A	B
FB51	350mm	450mm
FB52	350mm	600mm
FB53	650mm	600mm

Site cut as required

Composite aluminium fascias & soffits

Fascia type C

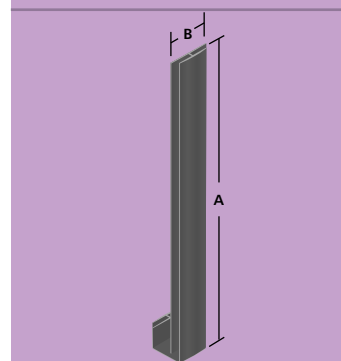


Fascia C – 3m

30x25mm Return

Code	A
FC1150	150mm
FC1185	185mm
FC1235	235mm
FC1310	310mm
FC1435	435mm

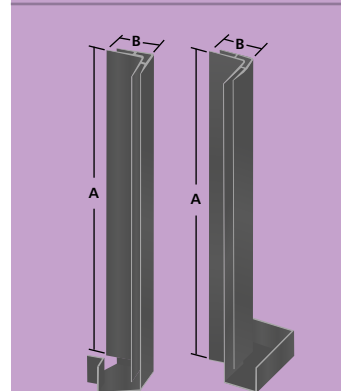
Non standard sizes available on request ①



H-Section joint trim

Code	A	B
FC21	300mm	31mm
FC22	500mm	31mm

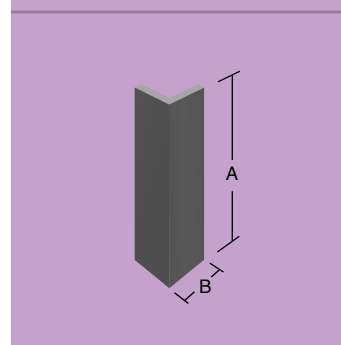
Site cut as required



H-section corner joint trim 90°

Code		A	B
FC61	External	300mm	31mm
FC62	External	500mm	31mm
FC71	Internal	300mm	31mm
FC72	Internal	500mm	31mm

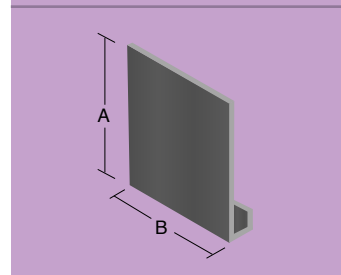
Site cut as required



Universal angle cover trim

Code	A	B
FC30	1000mm	31mm

Site cut as required

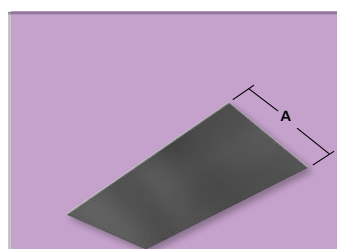


Gable box end

Code	A	B
FC51	350mm	450mm
FC52	350mm	600mm
FC53	650mm	600mm

Site cut as required

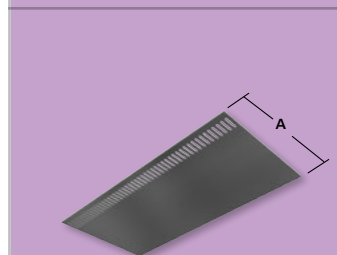
Soffit system



Soffit panel unvented – 3m

Code	A
FF1100	100mm
FF1180	180mm
FF1240	240mm
FF1365	365mm
FF1490	490mm
FF1740	740mm

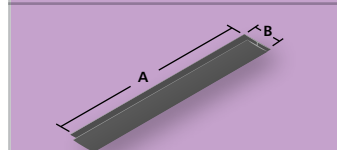
Non standard sizes available on request ①



Soffit panel vented – 3m

Code	A
FV1100	100mm
FV1180	180mm
FV1240	240mm
FV1365	365mm
FV1490	490mm
FV1740	740mm

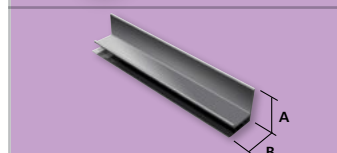
Slotted to give 25mm continuous ventilation area
Non standard sizes available on request ①



H-Section joint trim

Code	A	B
FF21	1000mm	31mm

Site cut as required



Soffit support trim - 3m

Code	A	B
FF30	30mm	25mm

Installation sundries

Polypin

Code	Description
SC670	2 x 30mm - colour matched 100 per bag

Poly nail

Code	Description
SC280	3 x 50mm – fixing fascia where gutter will hide fixing - 100 per bag

Screw fixing

Code	Description
SC203	No. 10 x 15mm countersunk – fixing gutter brackets to fascia - 100 per bag
SC675	No. 8 x 25mm flangehead – alternative to polypin fixing - colour matched

Sealant

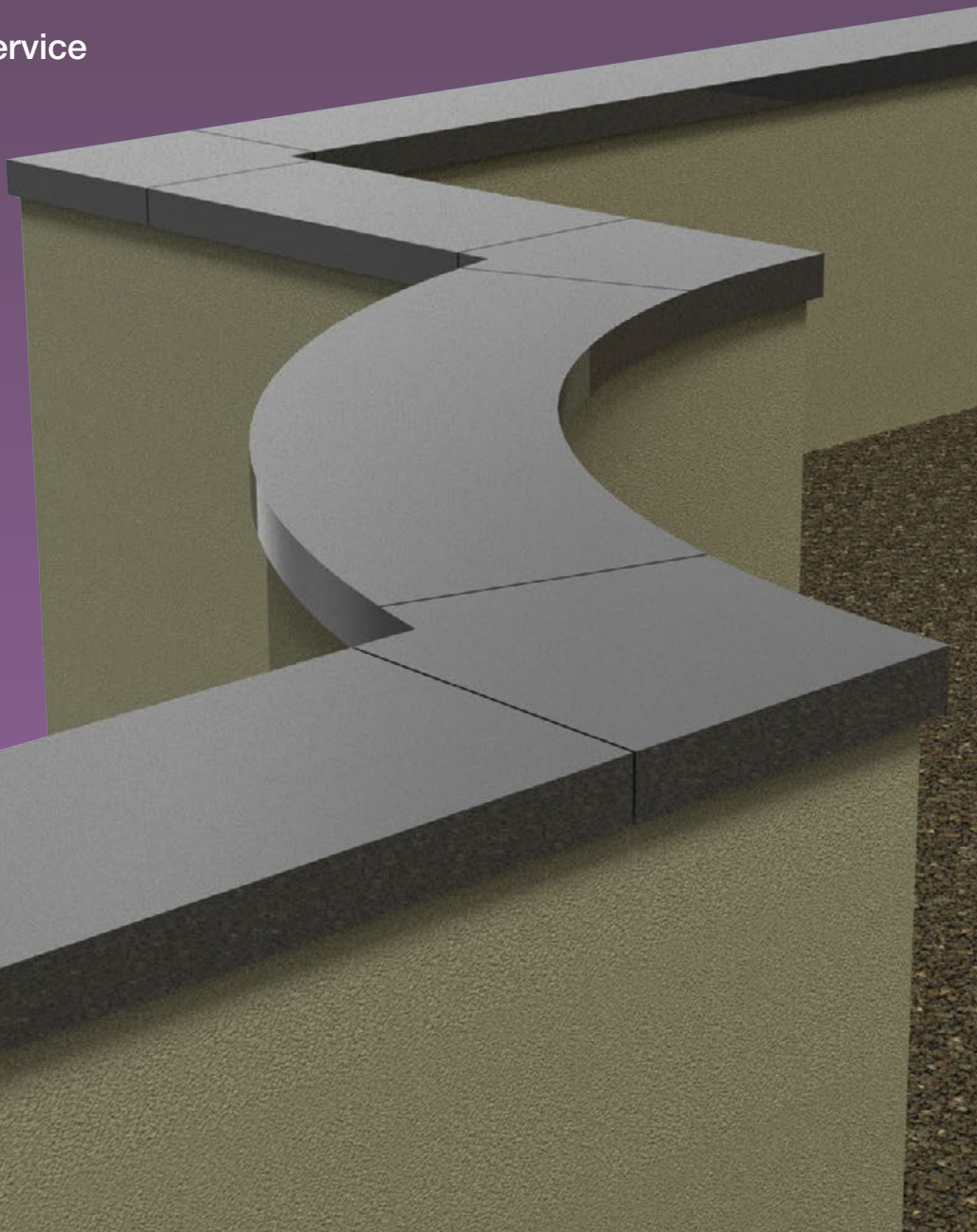
Code	Description
SC103	Silicone sealant – colour matched

Invisible bonding system

Code	Description
FY40	Bonding back plate 3m - For use with Sikatack® Panel System Site cut as required Sikatack® Panel System - - For use with Bonding back plate 3m. Contact Alutec Technical Services department for further details.

Evoke coping systems Made for you

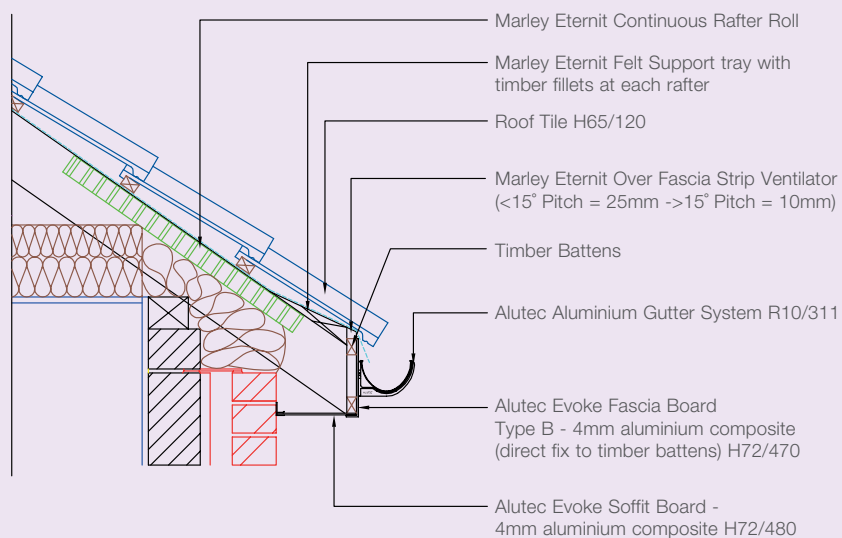
- Manufactured from marine grade aluminium composite
- 50 year life expectancy
- Free bespoke design service
- True curves available
- Simple installation
- Flat and rigid
- Completely watertight
- 12 colours available



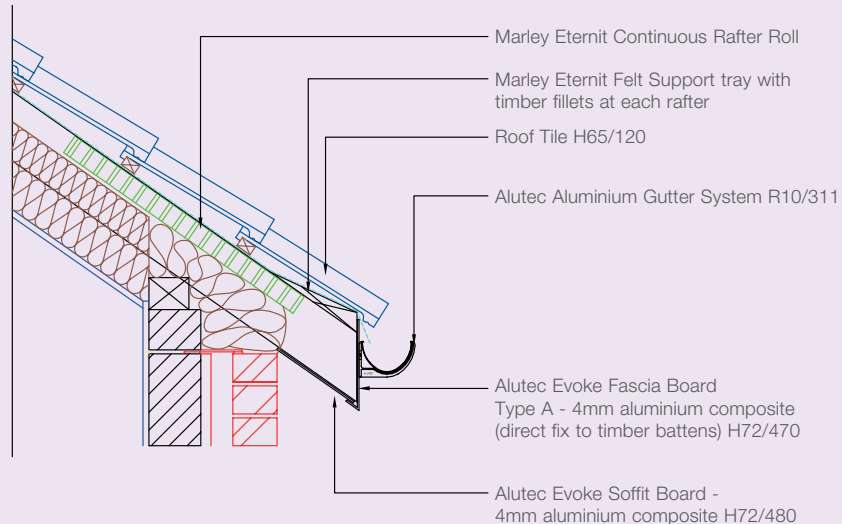
Call Alutec Technical Services Department on
01234 359438 to discuss your requirements

Typical applications

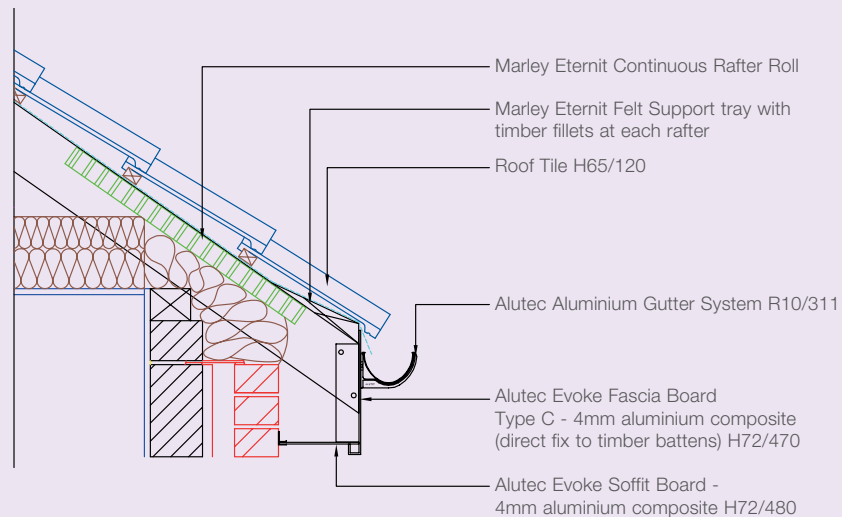
Top Vented Fascia



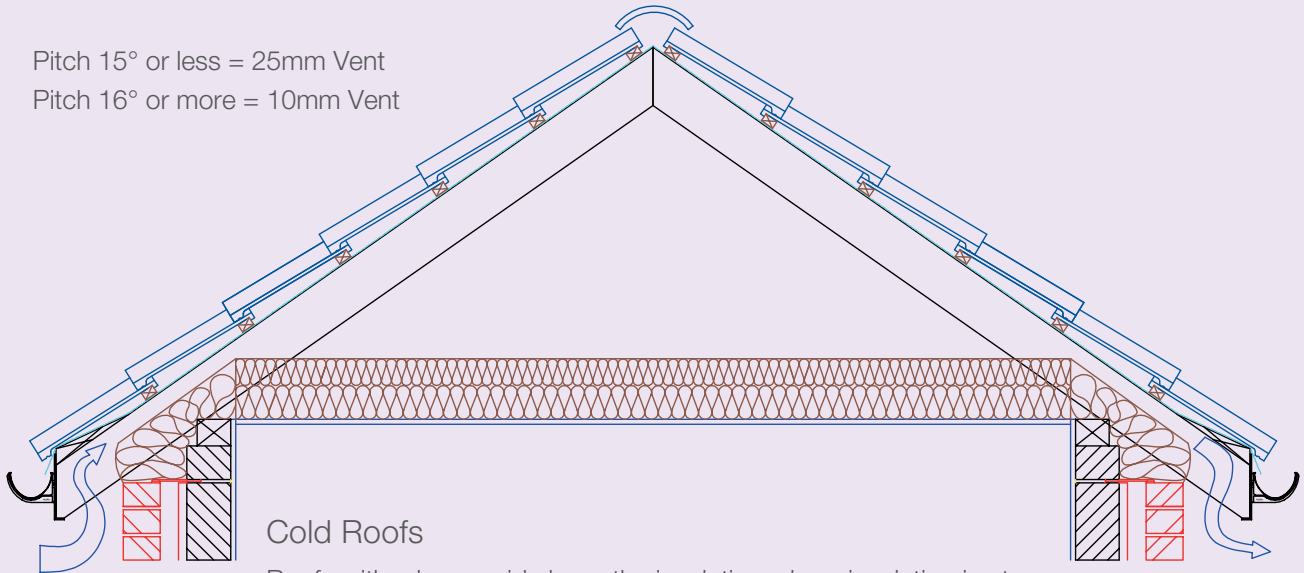
Angled Soffit Panel



Deep Fascia



Pitch 15° or less = 25mm Vent
Pitch 16° or more = 10mm Vent

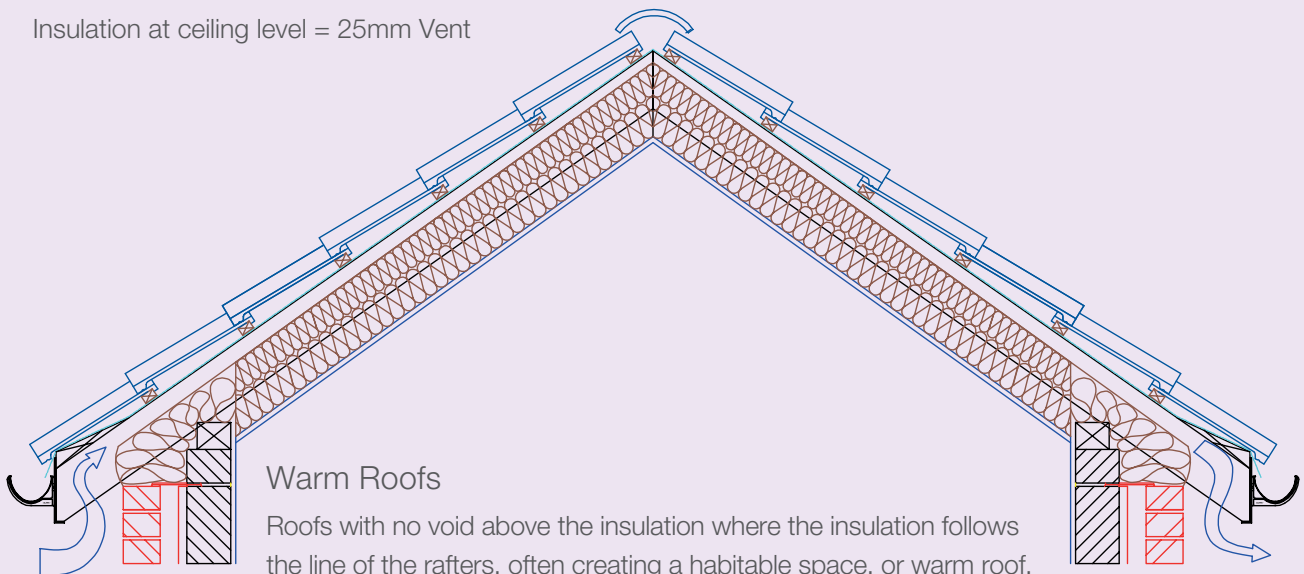


Cold Roofs

Roofs with a large void above the insulation where insulation is at ceiling level and the void is therefore uninhabited and cold.

- 25mm along the length of the eaves for pitches of 15° or less
- 10mm along the length of the eaves for pitches of more than 15°

Insulation at ceiling level = 25mm Vent

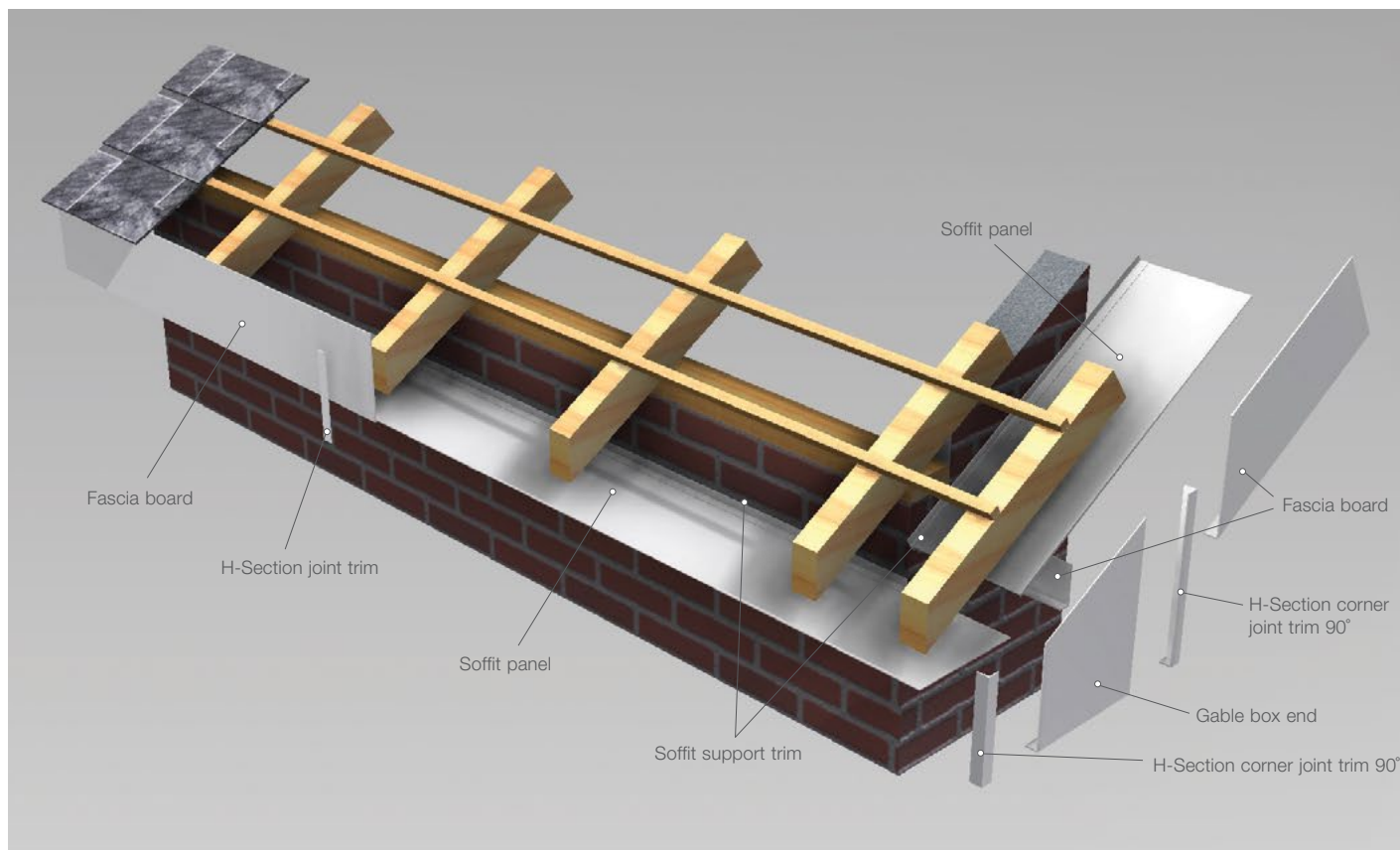


Warm Roofs

Roofs with no void above the insulation where the insulation follows the line of the rafters, often creating a habitable space, or warm roof.

- Low level openings should be equivalent in area to a continuous opening of not less than 25mm along the length of all the eaves

Installation



Full installation instructions are provided with each delivery and can also be downloaded from www.marleyalutec.co.uk

Cutting

Cut, drill and fix using standard wood working tools. De-burr edges after cutting.



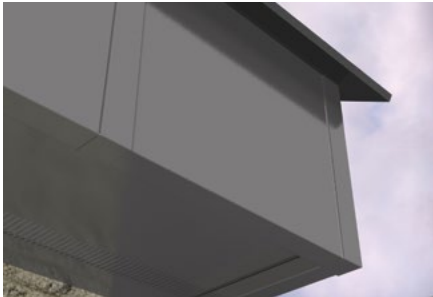
Forming & bending

Small pieces can be bent on site by grooving the rear face with a router, then bending the material upwards to the required angle.



For detailed information, refer to the full Evoke installation instructions.





Fixing fascia & soffit

Evoke fascia and soffit panels can be either mechanical fixed with Alutec polytop annular nails or bonded with Sikatack® - Panel System.

Joint abutments

Joint abutments can be covered with a H-Section Joint trim or the 4mm expansion gap can be neatly pointed with colour matched Joint sealant SC103 to give a shadow gap appearance.

Fixing Gutters

Gutters can be fixed directly to Evoke fascia panels without the requirement of a backing board.

Compatibility

Evoke aluminium composite sheet is compatible with most building materials, with the exception of direct or indirect contact with copper or direct contact with zinc onto unpainted surfaces of the aluminium facing. If fixing to zinc or galvanized surfaces, it is recommended that an isolative membrane is fitted between touching surfaces. Aluminium composite is resistant to alkali, acids and salt spray corrosion, hence ideal for installation in a marine environment. For further guidance please contact the Alutec Technical Services Department.

Alutec NBS specification clauses

NBSPlus

Alutec have a full list of NBS clauses for fascia and soffit systems. Below is an example of a typical specification. More detailed specifications are also available online at marleyalutec.co.uk.

H72 ALUMINIUM STRIP/SHEET COVERINGS/FLASHINGS

2 To be read with Preliminaries/General conditions.

PRODUCTS

EVOKE ALUMINIUM COMPOSITE FASCIA AND SOFFIT SYSTEM

- 470 Fascia
 Manufacturer: Marley Alutec, Unit 1 (G-H), Hudson Road, Elms Farm Industrial Estate, Bedford MK41 0LZ
 Tel: 01234 359438, Fax: 01234 357199.
 Email: enquiries@marleyalutec.co.uk
 Reference: Aluminium composite fascia system
 Profile: Type A, Type B, Type C (~~Delete as appropriate~~)
 Size: To be determined
 Type / grade: 4mm thick aluminium composite. Polyethylene thermal break between external surfaces.
 Finish: Kynar 500 fluorocarbon PVDF paint system including nano self cleaning additive
 Colour: From manufacturer's standard range ~~TBC~~
 Functional life expectancy: 50 years
 Fire resistance: BS476: Part 6 Class 0, BS476: Part 7 Class 1
 Thermal resistance: 0.013m2.KW
 Sound insulation: 26dB
 Jointing: Joint trim or pointed silicone (~~Delete as appropriate~~)
 Fixing: Direct fix to structure at 600mm centres.
- 480 Soffit
 Manufacturer: Marley Alutec, Unit 1 (G-H), Hudson Road, Elms Farm Industrial Estate, Bedford MK41 0LZ
 Tel: 01234 359438, Fax: 01234 357199.
 Email: enquiries@marleyalutec.co.uk
 Reference: Aluminium composite soffit system
 Profile: Unvented, Vented (~~Delete as appropriate~~)
 Size: To be determined
 Type / grade: 4mm thick aluminium composite. Polyethylene thermal break between external surfaces.
 Finish: Kynar 500 fluorocarbon PVDF paint system including nano self cleaning additive
 Colour: From manufacturer's standard range ~~TBC~~
 Functional life expectancy: 50 years
 Fire resistance: BS476: Part 6 Class 0, BS476: Part 7 Class 1
 Thermal resistance: 0.013m2.KW
 Sound insulation: 26dB
 Jointing: Joint trim or pointed silicone (~~Delete as appropriate~~)
 Fixing: Direct fix to structure at 600mm centres.




Weight:

5.5kg / m².

Rigidity:

kNcm²/m 0.240

Tensile strength: 15.0.kgf/mm²
Linear thermal expansion at 100° C thermal difference:

2.4mm/m

Temperature resistance:

-50°C to + 80° C

Sound insulation:

26 dB

Thermal Resistance:

0.013m².KW ±25%

Thermal Conductivity:

0.317 W/m.k ±28%

Polyethylene 'Thermal Break'
between external aluminium surfaces

General systems advice

Maintenance

Evoke composite aluminium systems require minimal maintenance throughout the lifetime of the installation. Generally any grime build up can be cleaned off using clean water and a mild detergent. Solvents, aggressive detergents /cleaners or any form of abrasives must not be used. Cleaning annually will ensure the product will always look in pristine condition.

Storage and handling

All goods should be stored under cover to protect against ingress of water between surfaces of composite aluminium sheets. Flat panels should be stored fully supported on a flat surface. Profiled lengths should also be fully supported throughout the product length and appropriately stacked to avoid damage to the profile.

Ensure that the self-adhesive peel off protective cover is not damaged during handling exposing the painted surface to potential damage.

Safety

The relevant safety regulations are outlined in the Health and Safety at Work Act 1974 and should be adhered to.

Refer to the Approved Code of Practice (ACOP) Construction Design and Management Regulations 2007.

Handling composite aluminium products does not pose any known health hazard, however it is recommended that protective gloves are worn. Hazard instructions relating to sealant and solvent cleaner are printed on the product packaging. COSHH sheets are supplied with each consignment of goods and are also available on request.

Alutec range overview



Evolve

Gutter range specifically developed to meet the demands of both the building owner and installer. Evolve systems combine high flow rate performance with fast and easy installation. Evolve systems use the latest manufacturing technologies to reduce its carbon footprint.



Aligator®

Two distinctive design solutions: Aligator Classic, a domestic size ogee style gutter system with external unions and brackets; ideal for community or local authority housing.

Deepflow, Ogee and Boxer profiles with internal joints and concealed brackets, offering a sleek and unobtrusive solution for modern building design.



Traditional

A range of BS 8530:2010 traditional style bolted gutter systems for replacement of cast iron on period, listed or traditional style new builds, combining aluminium's inherent benefits of longevity and low maintenance. Manufactured to original British Standard cast iron dimensions; available in Half Round, Victorian Ogee and Moulded Ogee profiles with matching round, square and rectangular downpipe options.



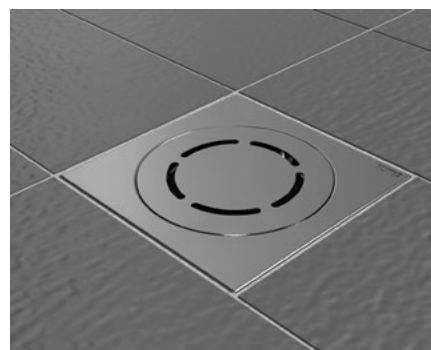
Evoke fascia, soffit and coping

A new and innovative concept in roofline solutions, Evoke fascia and soffit systems are manufactured from composite aluminium, a material used on some of the world's most prestigious developments, including high rise buildings, where exceptional durability and aesthetic appearance are key. Evoke systems have a life expectancy of 50 years or more.



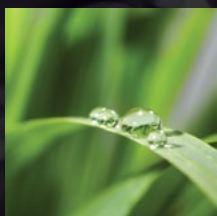
Roof outlets

A comprehensive range of aluminium roof outlets for a wide range of applications. Each component has been engineered to achieve design flexibility and the highest performance specification to give complete confidence to the specifier.

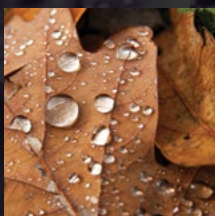


Shower outlets

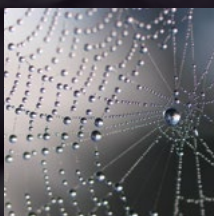
A comprehensive range of shower outlets with modern stainless steel grates for both tiled and sheet flooring applications.



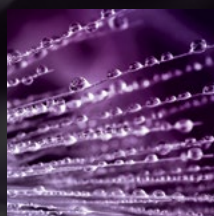
evolve RAINWATER SYSTEMS



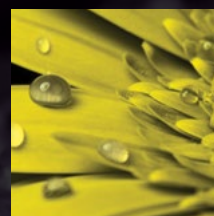
traditional RAINWATER SYSTEMS



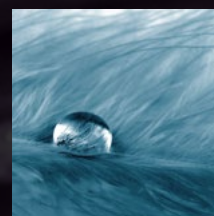
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evolve FASCIA, SOFFIT & COPING



roof OUTLET SYSTEMS



shower OUTLET SYSTEMS

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