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CI/SfB (21.89) Hh4	

alifabs

Aluminium Coping Systems



alifabs

Excellence in aluminium engineering

>Company Profile

Alifabs leads the field in the design, production and installation of aluminium building products. Our experience spans some 50 years. We know aluminium and appreciate how this versatile material can best be applied to architectural and construction environments.

With an unrivalled level of technical expertise, we are at the forefront of aluminium coping innovation, pioneering products that reflect the industry's need for sustainable, attractive buildings that can cope with environmental change.

As the only UK coping manufacturer with BBA certification, we are confident our two coping products – Architectural and Clickfix – satisfy both the aesthetic and functional demands of this dynamic industry. Both systems are attractive, weatherproof, robust and easy to install.

>Benefits of Alifabs

- > the only coping system with BBA certification
- > reputation as leading UK specialist of aluminium coping systems
- > pioneers of products that combine good design and functionality with quality materials and workmanship
- > option of standard or bespoke products that meet individual customer requirements
- > versatility and technical ability to adapt products to satisfy architectural vision
- > accuracy and rapid on-site fixing times from experienced, Alifabs installation engineers
- > quality-driven and customer-focused, operating within a framework of Quality Control Certification BS EN ISO9001
- > computer aided design and manufacture to improve quality & delivery
- > dependable technical support both before and after sales and installation
- > full range of complementary Alifabs buildings products, including fascia gutters, downpipes, roof trims, soffits and sills

>Benefits of aluminium

- > attractive, malleable and protective – available in different finishes, colours and shapes so no compromise on design or function
- > low density and lightweight – three times lighter than steel with significant – transportation and on-site handling benefits
- > corrosion resistant – aluminium oxide coating protects against the ravages of air, temperature, moisture and chemicals
- > non-combustible, non-toxic and non-magnetic – invaluable properties for safety and fire regulatory reasons
- > high reflectivity, heat barrier and conduction properties – greater thermal reflection capabilities than traditional roofing materials
- > environmentally friendly – massive energy saving benefits from using recycled aluminium

>www.alifabs.com

Our extensive website showcases the complete range of coping, building and other Alifabs products as well as detailing the latest company developments and innovations.



>Architectural Coping

A high performance coping solution that, with hidden fixings and exceptional wind resistance capabilities, is the ideal solution for new and refurbished parapet and perimeter walls, columns and piers - of any width and shape - and particularly suitable for high rise buildings of over four storeys.

>Clickfix Coping

An economical, competitively priced coping that with a simple, clip on fixing system is the ideal solution for new and refurbished parapet and perimeter walls - available in standard shapes and sizes - and particularly suitable for low rise buildings.

Architectural aluminium coping

Alifabs Architectural Aluminium Coping is an attractive, high performance, architectural solution for new and refurbished parapet and perimeter walls, columns and piers, of any width and shape.



Architectural coping is produced from aluminium sheet and specially extruded aluminium straps with a neoprene rubber seal. A unique rotate & lock design provides weatherproofing and resistance to strong winds making it the first choice solution for high-rise buildings.

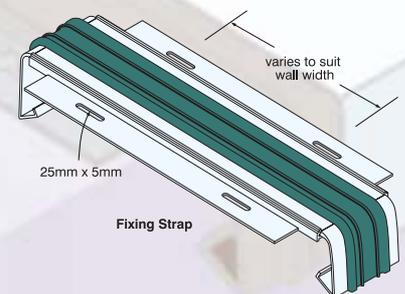
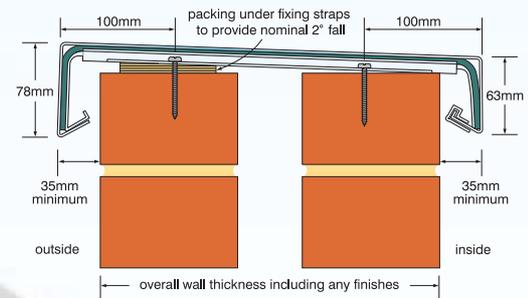
> Fixing guide

- 1 Secure fixing straps to the top of the wall at each joint and at a maximum 1500mm centres. Place packing under the straps to provide a 2° inwards fall.
- 2 Hook the outer flange of the coping under the fixing strap and rotate down on to the strap. The inner flange of the coping is cut away where it coincides with the strap flange.
- 3 Fit a sliding clip on to the coping flange to lock in position and nylon buttons into the predrilled holes on each side of the sliding clip.



> Benefits and features:

- > all weather sealed double nib neoprene joints
- > easy install, secure fixings giving accurate alignment
- > lightweight, yet strong and robust
- > durable and corrosion resistant
- > resistant to high winds
- > special fixing straps for structural movement joints
- > thermal movement and ventilation capacity
- > clear drip prevents water running down walls
- > unique hook, rotate, slide and lock fixing method
- > concealed fixings giving clean design lines
- > BBA quality assured with Agrément Certificate No. 03/4037
- > totally bespoke design to suit contemporary and traditional profiles
- > tailor-made to fit any width, thickness, shape, form, angle or junction including curves
- > wide choice of colours and finishes
- > working CAD drawings provided
- > easy install or Alifabs installation service available
- > maintenance free
- > fully recyclable
- > British made
- > covered by British and worldwide patents



> Recommended Specification Clauses (Architectural Coping)

Visit www.alifabs.com to download a specification clause from our website.

Manufacturer: Alifabs (Woking) Limited, Kernel Court, Walnut Tree Close, Guildford, Surrey, GU1 4UD. To be BS EN ISO 9001 approved and have BBA Agrément Certificate.

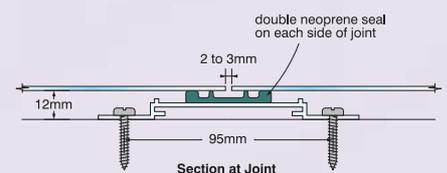
Product & Reference: Alifabs Architectural Coping System. BBA Agrément Certificate No. 03/4037.

Material Specification: Coping fabricated from pressed aluminium alloy sheet to BS EN 485/515/573, grade 1050A-H14 / 4015-H12, minimum thickness 2mm. Items to be purpose-made such as corners, junctions and other fittings of the same specification, mitred and welded, to be supplied as necessary.

Finish: Mill or polyester powder paint applied after fabrication. Colour reference BS or RAL gloss/satin/matt.

Method of Jointing: Extruded aluminium alloy concealed fixing straps with protected double nib extruded neoprene weather seals at all joints and maximum 1500mm centres.

Method of Fixing: Coping to rotate and lock on to each fixing strap (push snap systems not acceptable) with allowance for thermal movement. No fixings to pass through the coping or be visible. Fix in accordance with manufacturer's instructions and plan drawings supplied.



Aluminium coping – Architectural & Clickfix

> Composition, manufacture

Copings are manufactured from aluminium alloy sheet, grade 1050A-H14 / 4015-H12 to BS EN 485/515/573, minimum thickness 2mm. For wider and curved copings the thickness may be increased. Fixing straps and clips are extruded aluminium alloy type 6082 T6 to BS 1474:1987, with an extruded neoprene channel seal bonded to the top.

> Shape, size

The standard coping sections are illustrated. Special profiles can be made, e.g. vertical or with raked legs. Supplied in standard lengths of 3m. When specifying or ordering, the total wall width including any finishes, rendering, asphalt or flashings, must be given.

> Weight, thickness

Typical approximate weights are 1.8kg/m for a 112mm wall, and 3.6kg/m for a 338mm wall. Minimum metal thickness 2mm.

> Appearance, colour

Mill finish is standard with all welds visible (welds can be dressed as an option). Polyester powder paint finishes, applied after fabrication, in an extensive range of colours. (Colour chart available on request.) For most colours there is a choice of gloss, satin or matt finish.

> Resistance to chemicals

Not affected by normal industrial atmospheres. Consult Alifabs before using in conditions of extreme atmospheric pollution or in coastal areas.

> Thermal movement

Coefficient of linear thermal expansion is $23 \times 10^{-6} / ^\circ\text{C}$. A gap of 2 to 3mm left between coping sections will accommodate normal thermal movement.

> Lightning protection

Aluminium is a suitable material for use as a lightning conductor. Lightning conductor linkages can be supplied to provide electrical continuity between lengths of coping in accordance with BS 6651.

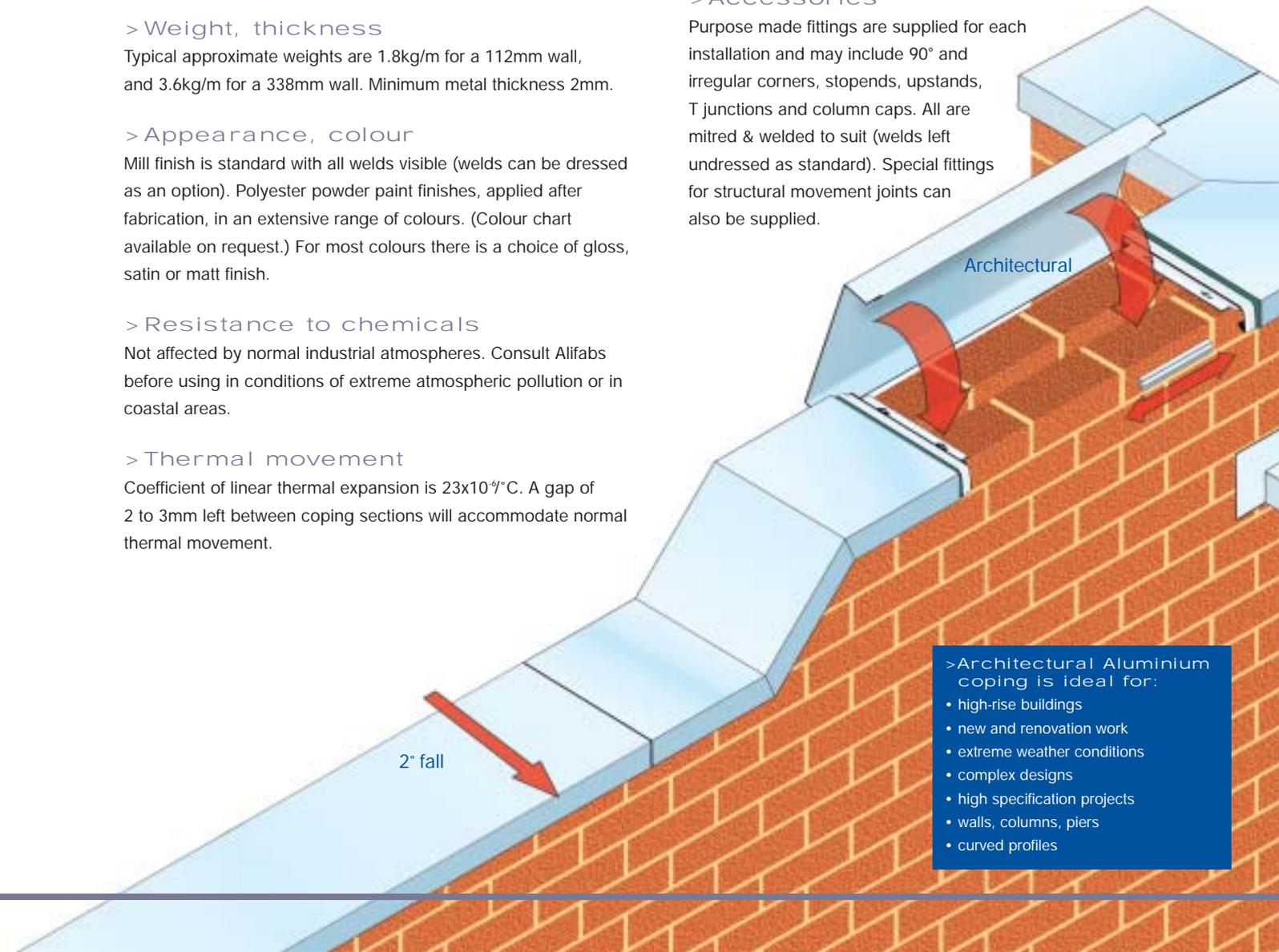
> Durability

Alifabs has successful installations of both coping systems over 35 years old. Agrément Certificate No. 03/4037 (Architectural only) assesses that the aluminium components will perform effectively for 40 years in rural or suburban surroundings, or 25 years in severe industrial surroundings (excluding the immediate vicinity and downwind of works which produce particularly corrosive chemicals). It may be necessary to replace the neoprene seals during this time.

> Accessories

Purpose made fittings are supplied for each installation and may include 90° and irregular corners, stopends, upstands, T junctions and column caps. All are mitred & welded to suit (welds left undressed as standard). Special fittings for structural movement joints can also be supplied.

2° fall



> Architectural Aluminium coping is ideal for:

- high-rise buildings
- new and renovation work
- extreme weather conditions
- complex designs
- high specification projects
- walls, columns, piers
- curved profiles

> General Description

Alifabs Architectural and Clickfix systems share common mechanical properties and performance characteristics. The difference lies in the fixing methods, wind resistance and suitability of application. See pages 2 and 5 for fixing and performance information specific to each system.



> Installation, general

Full fixing instructions are supplied and these must be followed carefully. Alifabs can provide an installation service if required. Plan drawings are prepared from site information, showing the positions of all components.

Ensure that the top of the wall is suitable to take fixings, especially in refurbishment work where brickwork may be in poor condition. Soft bricks, decayed mortar, perforated bricks etc. may not provide an adequate fixing, so exterior grade ply should be used to top the wall. Fixings are not supplied by Alifabs as the requirement will depend on the conditions. The minimum recommended fixings are 50mm (2 inch) No.10 roundhead woodscrews. With poor substrates or exposed conditions, longer screws or bolt anchors should be specified. The length of fixings must also allow for the thickness of packing. Fixings must be stainless steel, bright zinc coated or otherwise protected.

Leave a gap of 2 to 3mm between coping sections at every joint, this will allow for normal movement of the coping and the wall. Standard fixing straps must not be placed over structural movement joints; special fixing straps or joggle clips can be supplied for these conditions.



> Clickfix coping is ideal for:

- low-rise buildings
- new and renovation work
- parapet and perimeter walls
- self install projects
- standard specification buildings

Clickfix aluminium coping

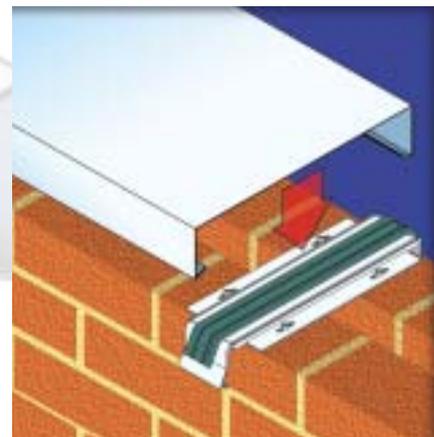
Alifabs Clickfix Aluminium Coping is an attractive, economical, architectural solution for new and refurbished parapet and perimeter walls.



Clickfix coping is produced from aluminium sheet and specially extruded aluminium straps with a neoprene rubber seal. With a unique push & click design it is easy to install and totally weatherproof making it the ideal solution particularly for renovation projects and low-rise buildings.

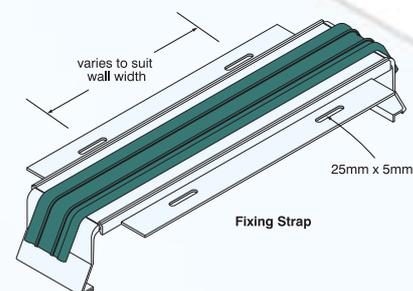
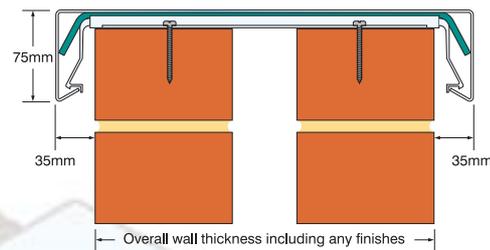
> Fixing guide

- 1 Secure fixing straps to the top of the wall at each joint and at a maximum 1500mm centres.
- 2 Place coping over the straps and push down firmly to clip over the strap flanges.
- 3 Leave a 2 to 3mm expansion gap at all joints.



> Benefits and features:

- > competitively priced
- > economical in material and installation costs
- > simple push and click fixing method giving accurate alignment
- > all weather sealed double neoprene joints
- > lightweight yet strong and robust
- > suitable for buildings of up to four storeys
- > durable and corrosion resistant
- > special fixing straps for structural movement joints
- > thermal movement and ventilation capacity
- > design suits contemporary and traditional profiles
- > tailor-made to fit wall widths up to 450mm
- > wide choice of colours and finishes
- > concealed fixings giving clean design lines
- > working CAD drawings provided
- > easy install or Alifabs installation service available
- > maintenance free
- > fully recyclable
- > British made
- > covered by British and worldwide patents



> Recommended Specification Clauses (Clickfix Coping)

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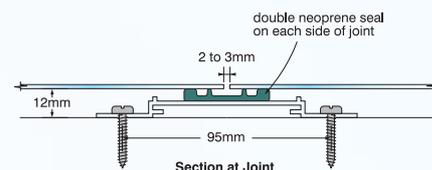
Product & Reference: Alifabs Clickfix Coping System.

Material Specification: Coping fabricated from pressed aluminium alloy sheet to BS EN 485/515/573, grade 1050A-H14 / 4015-H12, minimum thickness 2mm. Items to be purpose-made such as corners, junctions and other fittings of the same specification, mitred and welded, to be supplied as necessary.

Finish: Mill or polyester powder paint applied after fabrication. Colour reference BS or RAL gloss/satin/matt.

Method of Jointing: Extruded aluminium alloy concealed fixing straps with protected double nib extruded neoprene weather seals at all joints and maximum 1500mm centres.

Method of Fixing: Copings securely 'snapped' on to fixing strap with allowance for thermal movement. No fixings to pass through the coping or be visible. Fix in accordance with manufacturer's instructions and plan drawings supplied.



Coping with...

...curves

Alifabs Architectural Aluminium Coping is so versatile that it can be curved and shaped to suit any design specification



...complex designs

Alifabs Architectural Aluminium Coping is so adaptable that it can be produced in complex profiles to suit specific architectural needs



...flashings & soffits

Alifabs Architectural and Clickfix Aluminium Coping systems can be designed to incorporate Alifabs' own guttering, flashings and soffits or can integrate with other manufacturers' products



...site installations

Alifabs Architectural Aluminium and Clickfix Coping systems are so simple that they can be installed on site by the customer, or we offer an excellent installation service from our experienced engineers



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other Alifabs products include:

- Gutters & downpipes
- Sills, soffits & flashings
- Lightweight structures

Call for more information or visit
www.alifabs.com

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