

Bailey

Installer Guide

C-FIX Coping System

General guidance on:
Ordering, components, handling,
storage, installation, cleaning
and maintenance.

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Introduction

C-FIX is a secret fix coping system which provides practical protection for parapet walls. It is an economical, long lasting weatherproof solution that also provides a very attractive finish.

The colour of C-FIX can be varied to suit individual applications and it is suitable for projects of any proportion and size. Its accurate, speedy clip-on installation is the outstanding feature of the product.

Supplied as standard with a sloped weatherstruck profile to replicate traditional cappings, C-FIX is available in a range of standard sizes to suit any project. C-FIX is fully compatible with Bailey's comprehensive eaves and rainscreen systems and can be used by itself or combined with other systems to provide a complete facade solution.

Features and benefits

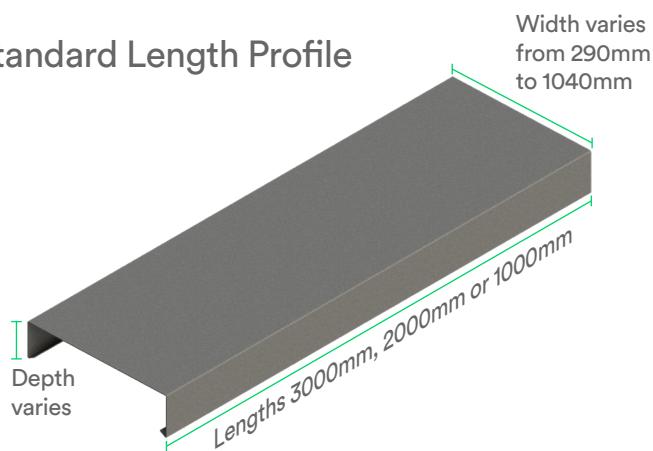
- Simple, effective clip-on action for installation
- PVC foam seals at joints for weatherproof integrity
- Allows for structural and thermal movement
- Secret-fixed up to 640mm wide, providing superior waterproofing
- Wide range of finishes including polyester coating and anodising.



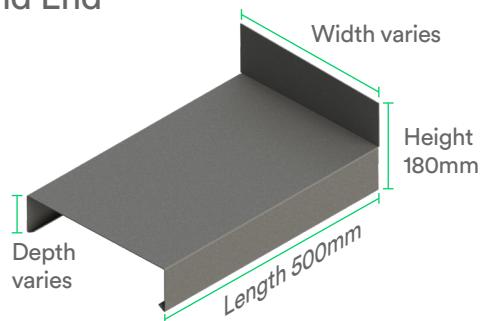
General Guidance

1 Standard Components

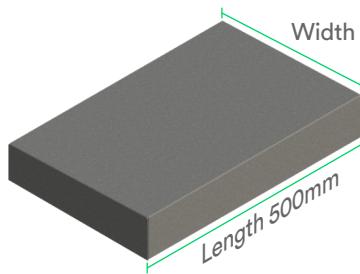
Standard Length Profile



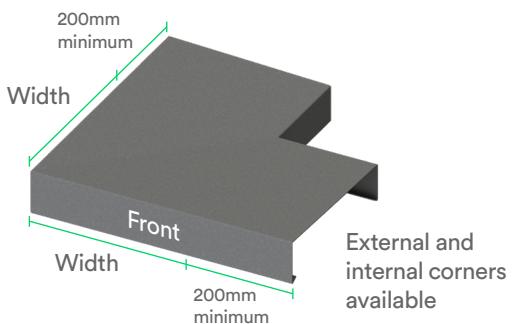
Upstand End



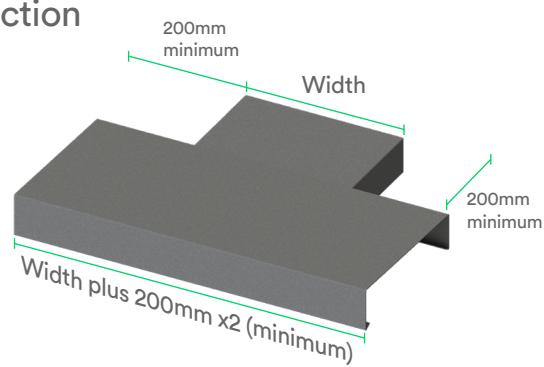
Stop End



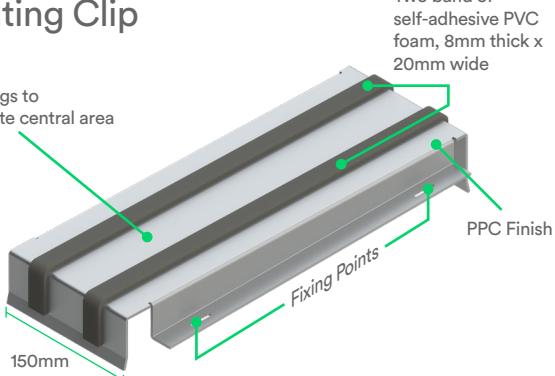
Corner Junction



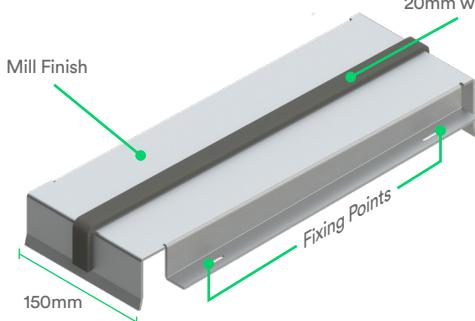
'T' Junction



Jointing Clip



Intermediate Clip



Refer to the standard coping ordering sheets for more information on component sizes available.

2 Ordering Guide

Measure wall in several places and note the maximum widths.

Order coping width from the standard sizes available on the C-FIX Ordering Sheet (CP-01). Overhang should be between 20mm and 45mm each side. Refer to C-Fix Coping System ordering sheets, available on request.

CP-01: Coping Length

- 1.1 Select the wall width (or widths) from the third column in the table which suits your application.
- 1.2 Enter the quantity of straight lengths you require for each coping width, using as many 3000mm lengths as possible and making up the difference with 2000mm or 1000mm lengths as required.
- 1.3 Enter the finish colour as a RAL number with a gloss level, e.g. RAL7021 matt.

CP-02: Coping Stopend

- 2.1 Stopends are supplied as left or right hand when viewed from the front.
- 2.2 A stopend has a plate folded or welded to the end which closes off the profile completely and is used at the exposed end of a run.
- 2.3 Enter the quantity you require taking care to ensure the width matches up with the coping width selected previously.
- 2.4 The colour only needs to be entered if ordering components separately – otherwise entering it on the first page is sufficient.

CP-03: Coping Upstand End

- 3.1 Upstand ends are supplied as left or right hand when viewed from the front.
- 3.2 An upstand end has a plate folded on the end above the profile which allows a weathering flashing to dress down over it and is used where a run of coping abuts the building face.
- 3.3 Enter the quantity you require taking care to ensure the width matches up with the coping width selected previously.

CP-04: External Coping Corner

- 4.1 Corners are made up of two halves mitred together and can contain different profiles. Take care when specifying profile A and B. Make sure you reference them correctly.
- 4.2 An external corner fits on the outside with the long edges on the face side.
- 4.3 Enter profile A and B types by referring back to the C1-C16 references for the length from CP-01.
- 4.4 Enter length A and B using the formula:
Length A = Profile B width + 200mm and Length B = Profile A width + 200mm.
- 4.5 Enter the quantity you require taking care to ensure the width matches up with the coping width selected previously.
- 4.6 Enter the angle of the corner – usually 90° but can be made to your exact requirements. Use an angle finder to measure the angle on site.

CP-05: Internal Coping Corner

- 5.1 Corners are made up of two halves mitred together and can contain different profiles so take care when specifying profile A and B. Make sure you reference them correctly.
- 5.2 An internal corner fits on the inside with the long edges on the roof or inboard side and the short faces to the front.
- 5.3 Enter profile A and B types by referring back to the C1-C16 references for the length from CP-01.
- 5.4 Enter length A and B using the formula:
Length A = Profile B width + 200mm and Length B = Profile A width + 200mm.
- 5.5 Enter the quantity you require taking care to ensure the width matches up with the coping width selected previously.
- 5.6 Enter the angle of the corner – usually 90° but can be made to your exact requirements. Use an angle finder to measure the angle on site.

CP-06: Coping 'T' Junction

- 6.1 T Junctions are supplied as a length of coping with an elongation at 90° protruding from the rear face and is used to cover brick piers or where two runs of coping intersect.
- 6.2 Enter the panel reference by following the example given.
- 6.3 Enter the profile reference from the C1-C16 lengths on CP-01.
- 6.4 Enter length A which is the coping width required for the extension.
- 6.5 Enter length B which is the coping length required for the extension.
- 6.6 Enter length C using the formula: Length A + 400mm.
- 6.7 Enter the quantity required.

CP-07: Integrated Coping Bracket

- 7.1 Coping brackets (or clips) are sloped to suit the fall on the coping and provide the weathering component with closed cell foam tape applied across the width – 2 strips for the joint bracket and a single strip for the intermediate brackets.
- 7.2 They integrate the clip profile, which secures the coping, with the feet fixing down into the substrate.
- 7.3 Joint clips are required at every component joint and intermediate clips are required at maximum 750mm centres along the remaining length.
- 7.4 Calculate the quantity of joint clips, allowing 1 for every length or unit.
- 7.5 Calculate the quantity of intermediate clips using the formula:
 - 7.5.1 3000mm length = 3nr
 - 7.5.2 2000mm length = 2nr
 - 7.5.3 1000mm length = 1nr
 - 7.5.4 Stopend, upstand end and corners = 1nr
 - 7.5.5 T Junction = 2nr
- 7.6 Calculate the BFX 20 fixing quantity, assuming fixing into plywood or timber substrate, using the formula: (quantity of joint clip + quantity of intermediate clip) x 4 and round up by 5%.
- 7.7 Calculate the BFX31A SS fixing quantity using the formula: quantity of joint clips from 550 wide and above (TH8-TH16) x 6 and round up by 5%.

Handling and Storage

Components should be stored carefully, stacked at safe height and kept protected until required for installation. Profiles are potentially vulnerable to scratching or other damage when being moved on site and appropriate care should be taken. Components are supplied securely packed on pallets and shrink-wrapped for protection during transport.

Pallets must not be kept outside exposed to sunlight for more than two weeks. There is a risk of temporary discolouration of the polyester powder coated finish, known as “blanching”, if the product is subjected to heat and moisture within a shrink-wrapped pallet. We recommend opening up the top of each pallet to allow air to circulate, but retain the lateral stability element of the wrapping to protect the goods inside. For best results pallets should be stored under cover.



Installation and Fixing

Installation Sequence (to plywood or similar substrate)

- 1 Check suitability of the substrate and ensure it is firm and level. The preferred substrate is WBP Plywood (minimum 19mm) installed level.
- 2 The starting point of installation is from one fixed point (e.g.. a corner) and working away towards another fixed point (e.g.. stop end).
- 3 Fix corner component with two joint clips and a cut down intermediate clip (site cut) to support the extreme outer edge. Then fix the opposite stop end (or other fixed point).
- 4 String a line between these two points and set out joint clips in between to coincide with panel lengths (maximum length is 3000mm). Fix using appropriate fixings supplied (see Figure 4).
- 5 Set out intermediate clips at maximum 750mm centres in between joint clips and fix as before.
- 6 Snap coping component over clips as shown in Figure 2, leaving a 3mm expansion gap in between each component.
- 7 Last length in each run should be cut to suit the remaining opening (less 6mm joint gaps).
- 8 Profiles to be cut must be measured carefully and have masking tape affixed along both sides of the cut line. Accurately mark the points to be cut, then use a jigsaw with the correct aluminium blade. Cut line must be clean, crisp and true. Cut edges should be touched-in using matching touch up paint which is available from Bailey.
- 9 Check neatness of installation and if necessary, use touch up paint to repair any slight blemishes. Clean down with warm water and mild detergent using a soft sponge or cloth.

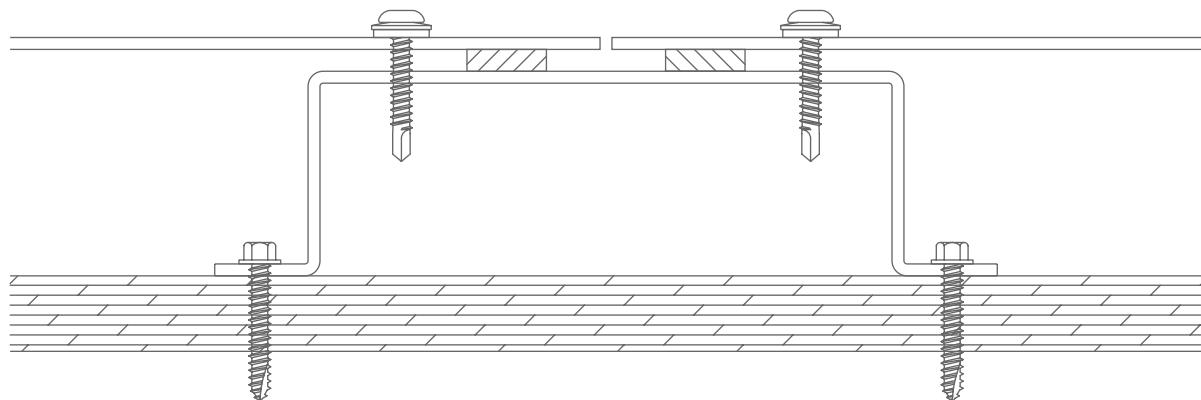
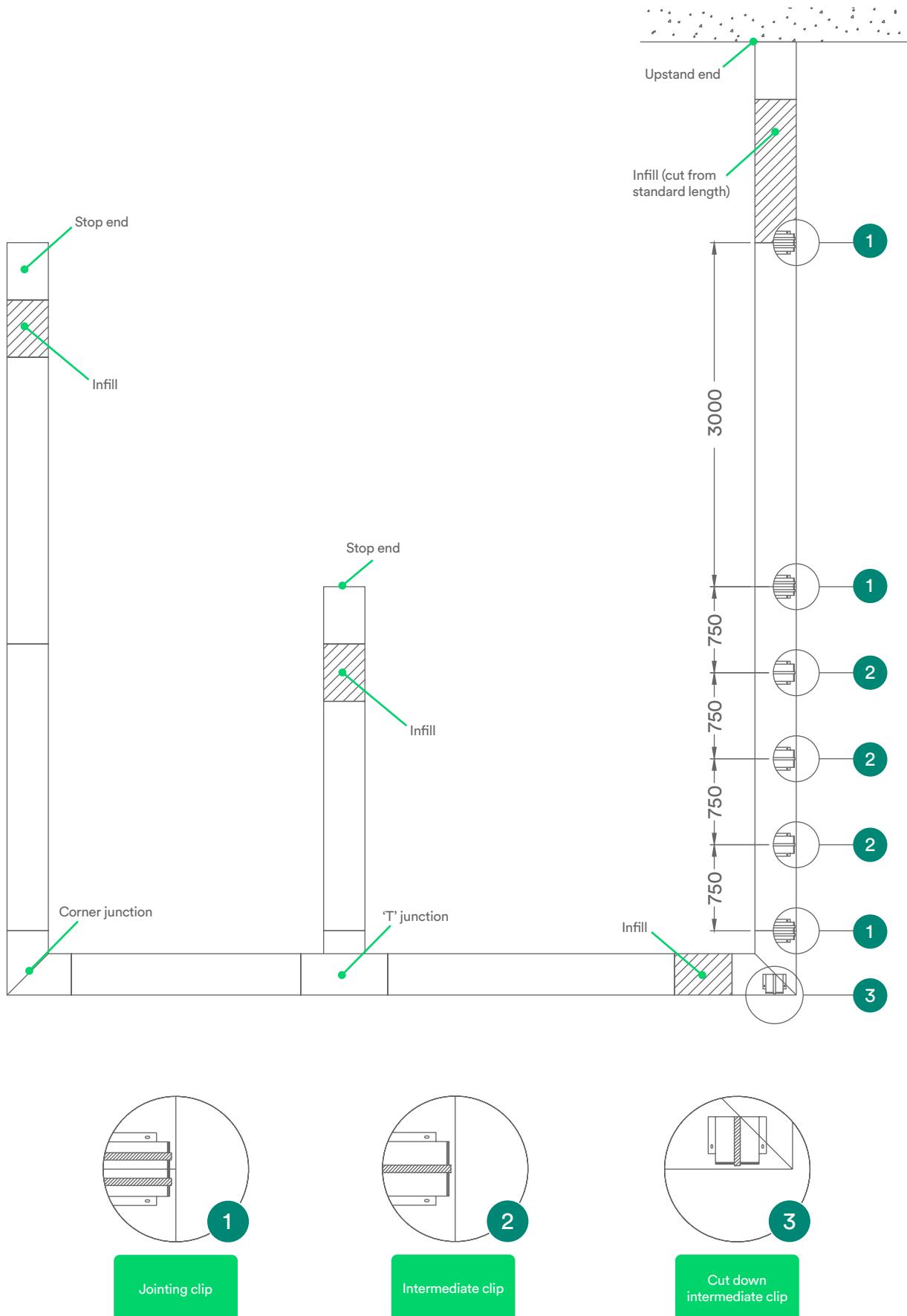
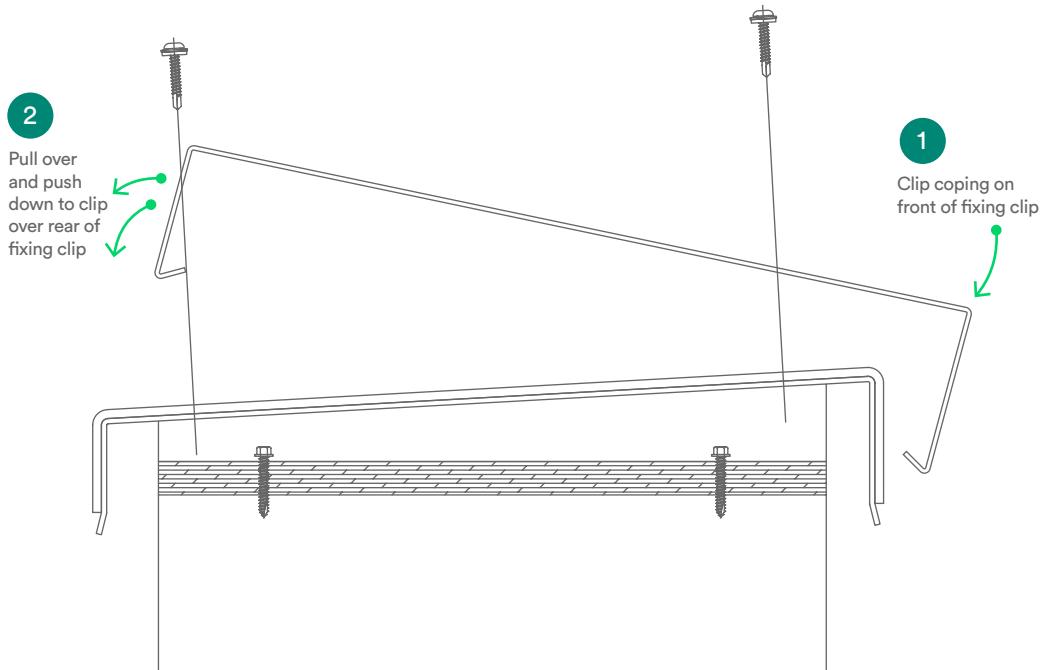


Figure 1 - Typical Coping Layout



Construction Details

Figure 2 - Snap Coping over clips



Notes

1. Coping clips to be fixed using a minimum of 4 x No. BFX20 (5.5mm x 35mm) into timber.
2. Coping joints from 640mm wide and above require fixings through the top and into the clip. Use BFX31ASS (5.5mm x 35mm) with washer, colour coated, at 250mm centres.

Figure 3 - Typical Section Detail

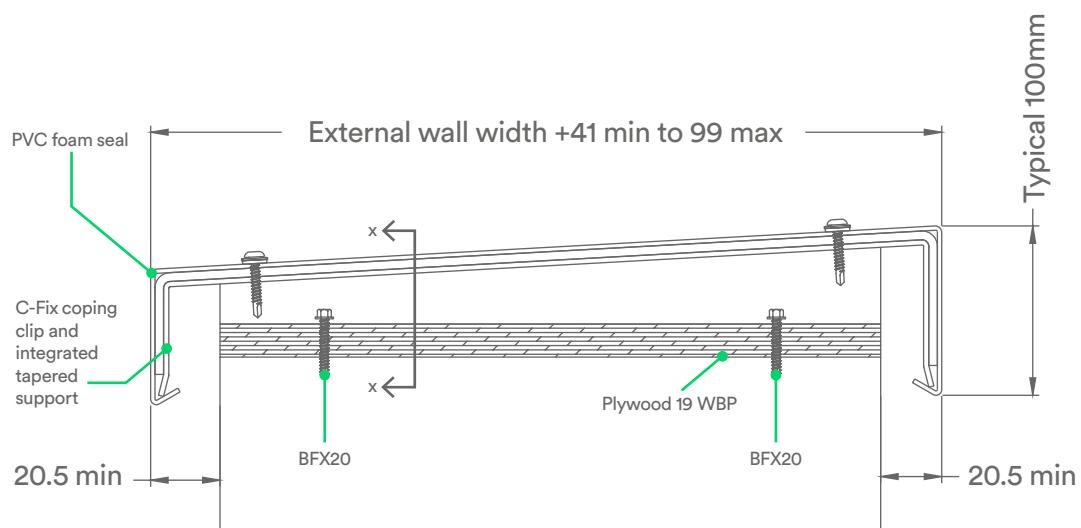
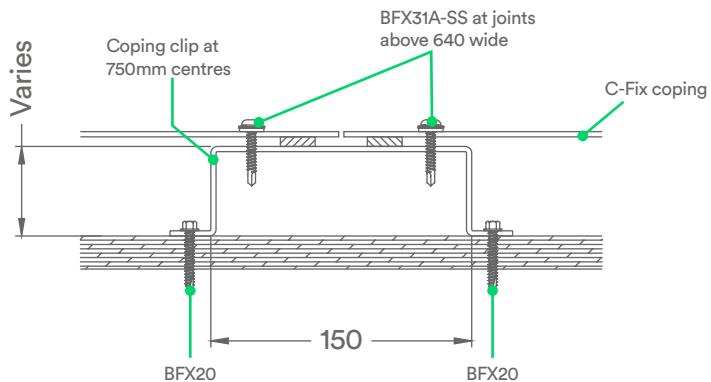


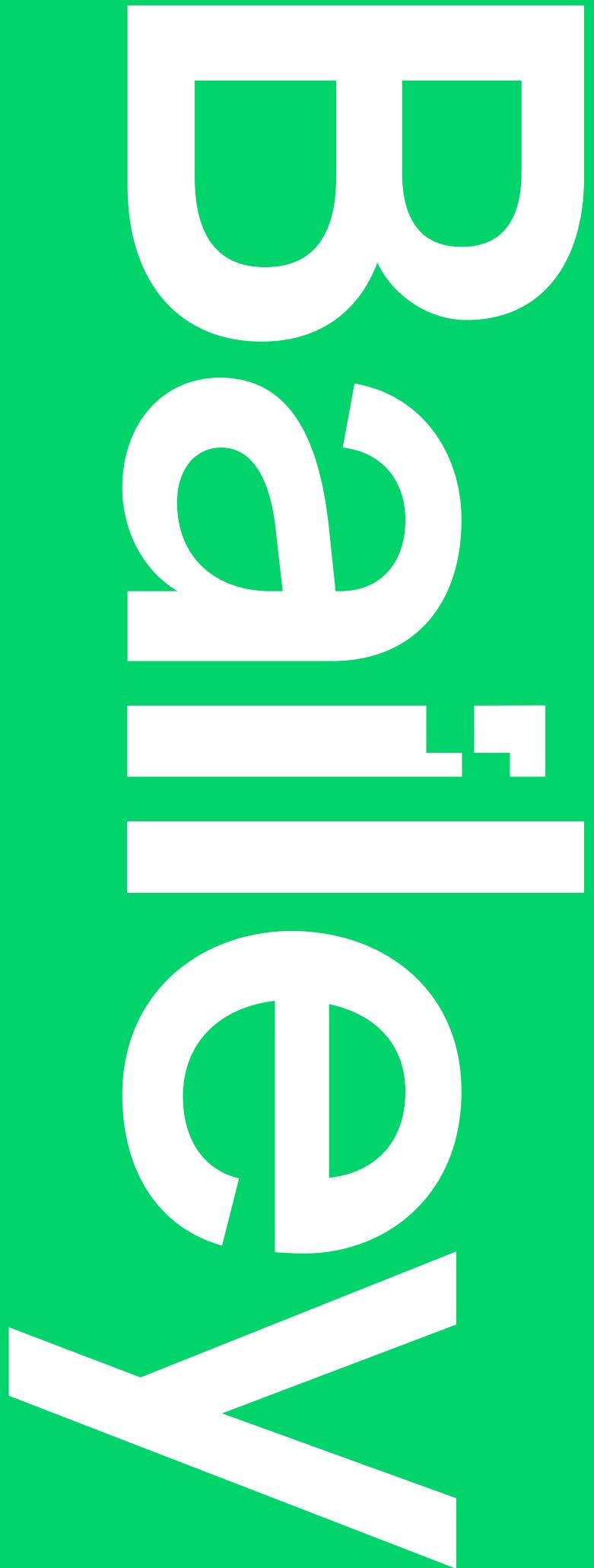
Figure 4 - Section x-x



Cleaning and Maintenance

To maintain your coping in pristine condition, and validate any polyester powder coating guarantee, we recommend cleaning every 3-6 months with a soft cloth and mild detergent.





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