

ARCHITECTURAL ALUMINIUM COPING SYSTEM: INSTALLATION INSTRUCTIONS

Please read these instructions before starting work.

Introduction

There are three basic steps to the fixing method:

1. Fixing straps are secured to the top of the wall at 1000mm maximum centres.
2. The outer flange of the coping section is hooked under the fixing strap, rotated over and lowered flat onto the strap. The inner flange of the coping section is notched where it coincides with the flange of the strap.
3. A 210mm fastening clip slides onto the flanges of the coping and strap to link the two and secure the coping to the wall. Fastening clips are also used to secure the coping sections at intermediate straps between joints.

4. Black nylon buttons supplied are pressed into drilled holes in underside of drips. If site trim is required, further holes are drilled on site.

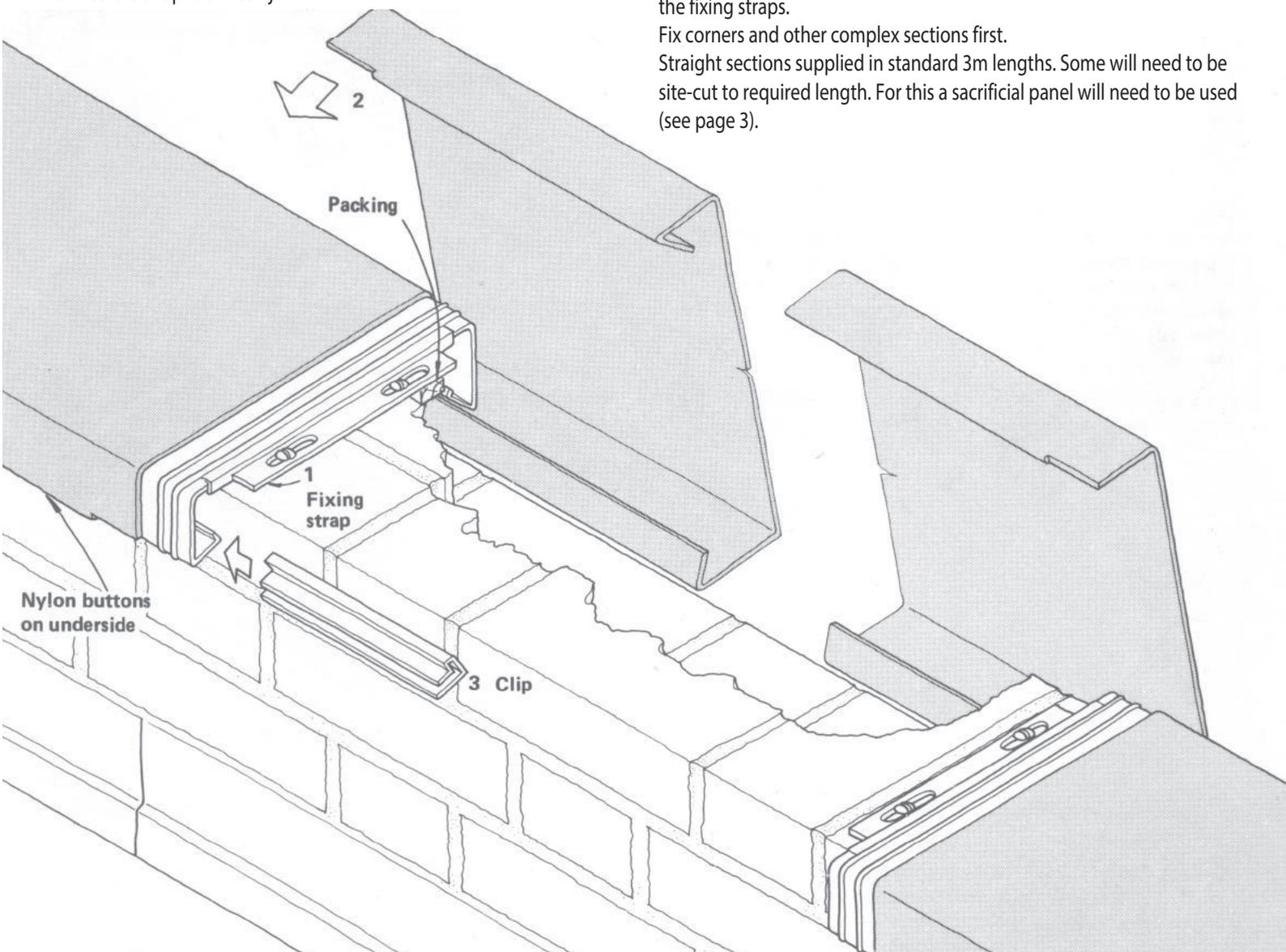
Each coping installation is purpose-made; all the necessary straight sections, corner pieces, tee shapes, obliques, upstands and column caps are type numbered on the underside.

All necessary fixing straps, joggle clips and fastening clips are supplied. Fixing straps have an extruded neoprene channel seal, which gives watertight joints between sections, bonded to the top. Straps should be fixed with four suitable stainless steel or bright zinc coated fixings (not supplied) unless otherwise specified.

Fixing sequence First lay out the pieces on the wall according to the roof plan. Find the cutaway notches on the inner flanges of the coping sections and mark their positions on the wall with chalk: these are the positions of the fixing straps.

Fix corners and other complex sections first.

Straight sections supplied in standard 3m lengths. Some will need to be site-cut to required length. For this a sacrificial panel will need to be used (see page 3).



Corners

Put the corner section in position, making sure that there is a minimum overhang of 35mm on the outside of the wall, and mark the positions of the fixing straps.

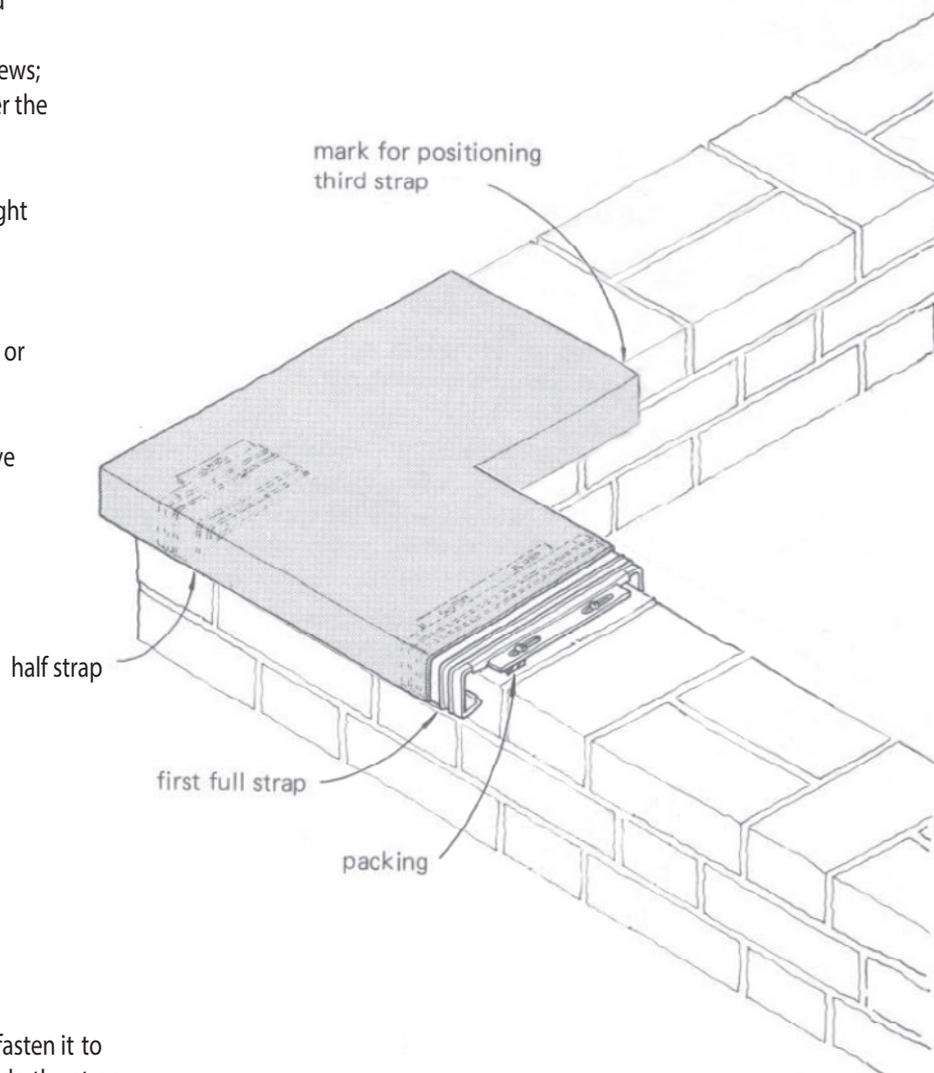
Remove the corner section and fix the first full strap with 4 screws; to provide the required 2° inward fall put 12mm packing under the outer end of the strap. (If timber packing is used it should be treated to prevent rot.)

Packing may also be needed to ensure that the coping is straight and level.

Then screw-fix a half strap as close as possible to the edge of the corner.

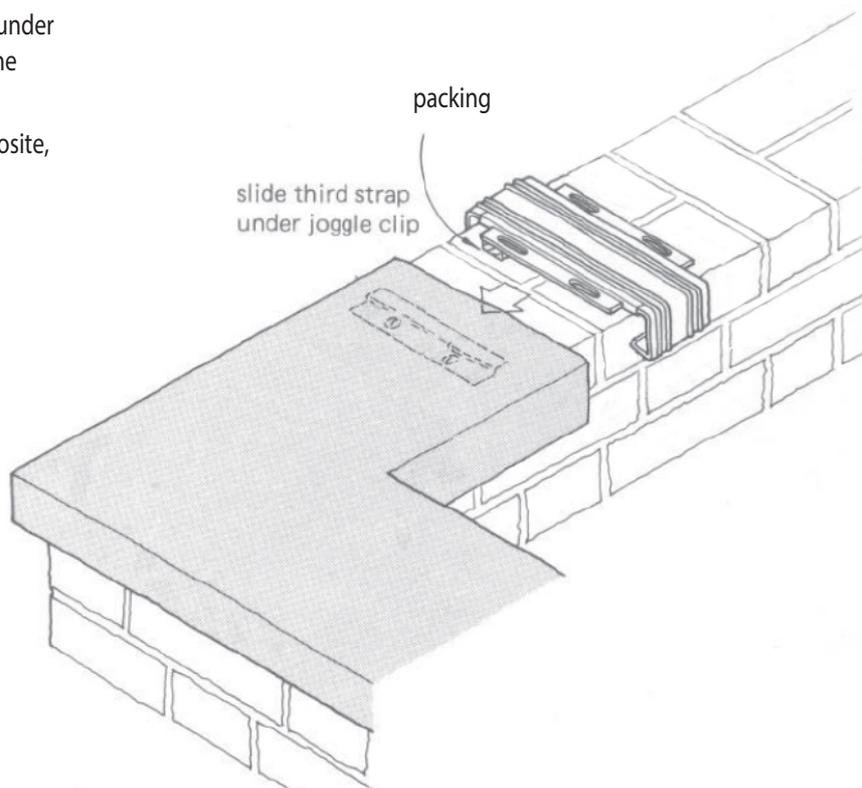
Stretch a string along the length of the wall to the next corner or end of the wall: this is used to align the fixing straps.

Hook the corner coping onto the first two straps and rotate it over; check the mark for positioning the third strap and remove the coping.



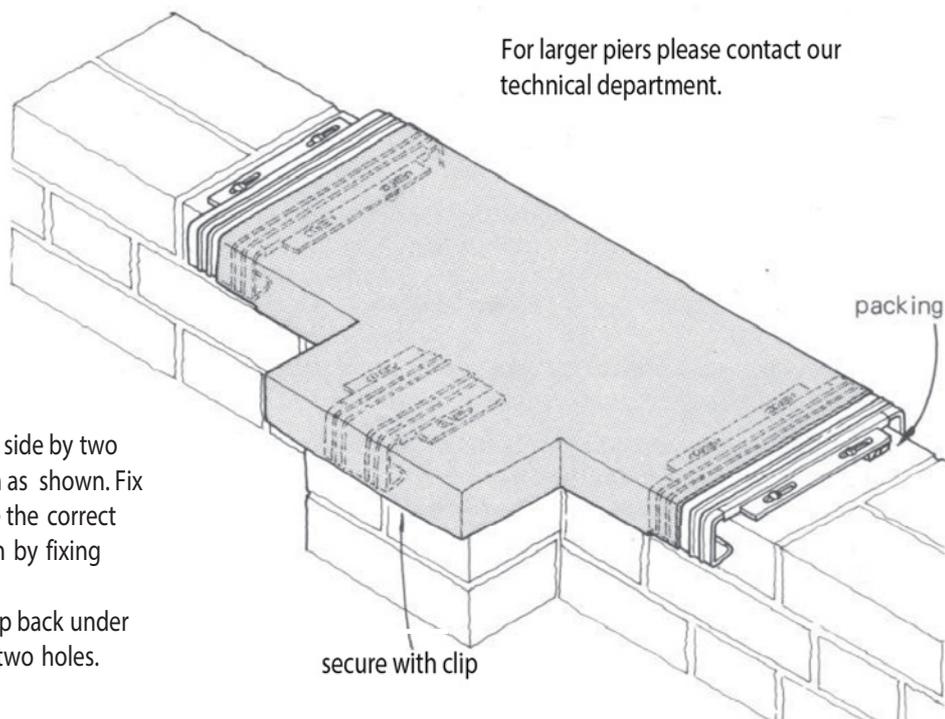
Place the strap in position, lining it up with the string, and fasten it to the wall with two screw-fixed joggle clips as shown. Now slide the strap out from under the joggle clip. Hook the coping onto the first two straps, rotate and lower it onto the wall. Slide the third strap back under the joggle clips and screw the other side to the wall. Then engage the fastening clips to give the final seal.

Fix the remaining corners or other irregular shapes as described opposite, and then the intermediate straight lengths.



Piers

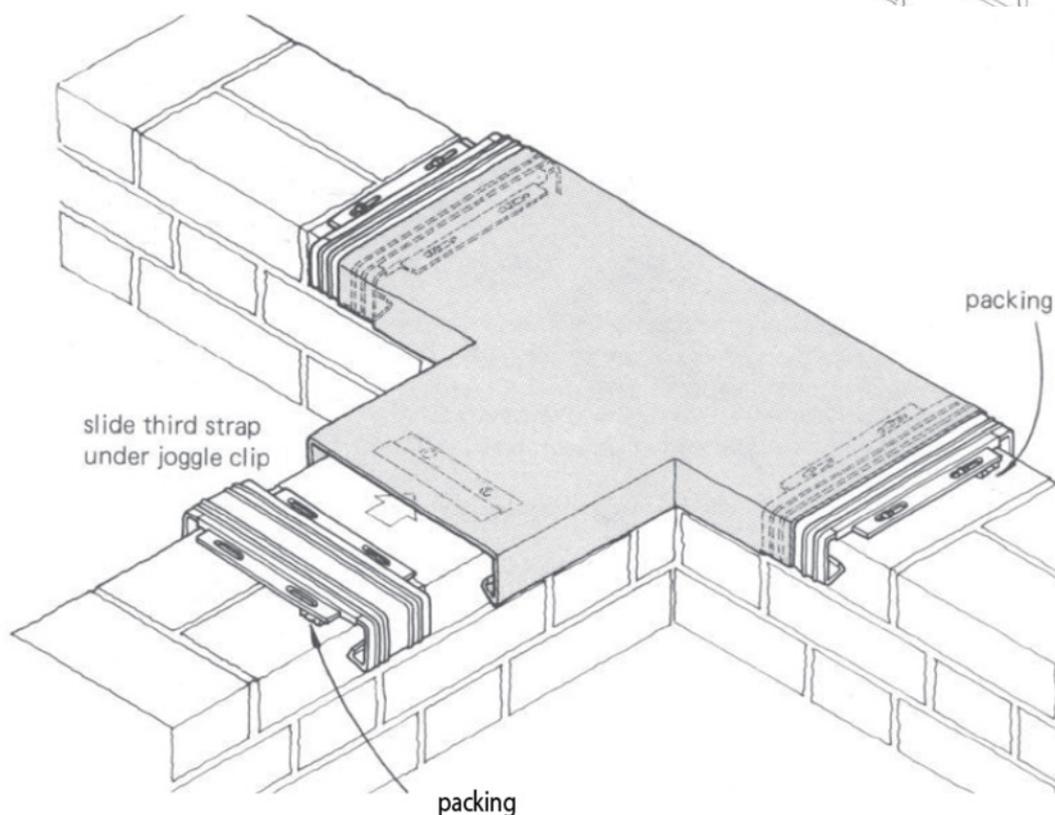
Fix a half strap on the pier as shown, and two full straps at the ends of the coping section. Hook the coping under the two straps, rotate and lower it onto the half strap and secure with a fastening clip (this can be cut if necessary).



Tee junctions

These sections are fixed using a strap at the tee held on one side by two joggle clips, and a strap at either end of the coping section as shown. Fix the two end straps and fit the coping over them to ensure the correct positioning of the third strap. Fasten the third strap down by fixing joggle clip, then slide the strap out from beneath them.

Fit the coping over the first two straps. Push the third strap back under the joggle clip, and screw it to the wall through the other two holes. Finally slide on the fastening clips.



Straight sections

Place fixing straps at 1000mm maximum centres with packing to provide a 2° inward fall. Hook the sections under the straps and rotate over as described on the front page, engaging the fastening clips to provide a secure fixing to the wall. Leave a gap of 3mm between coping sections to allow for thermal expansion.

Sacrificial lengths / panels can be used for flexibility. Available in 3m and 1.5m lengths. To be site cut to required length, fixing clip notches to be marked with supplied jig and trimmed on site.

Column caps

These are supplied as required and fixed with full or half straps.

Upstands Cover pieces can be supplied for use where the wall meets an upstand. Bed these in mastic and screw-fix to the wall. Alternatively, install a counter flashing over the coping in accordance with normal good practice.

Special cases

For very difficult situations, special fixings can be supplied; instructions for these are given separately.