Leviat®

Ancon®

Installation Guide

Ancon 36/8 Wall Extension System

The Ancon 36/8 Wall Extension System can be supplied with either Ancon SP36 ties or, where some longitudinal movement must be accommodated at the joint, Ancon PP36 ties complete with debonding sleeves.

The system is available as a kit comprising ten wall ties, a length of 36/8 channel 2400mm long and ten plugs and fixing screws. It has a design resistance of 1.6kN per metre.

The channel can be supplied in lengths of up to 3400mm with each length having a series of holes to allow fixing to the existing wall. Holes are provided at 150mm centres and fixings should be installed at 300mm maximum vertical centres. The system can accommodate wall widths of 100mm - 250mm.

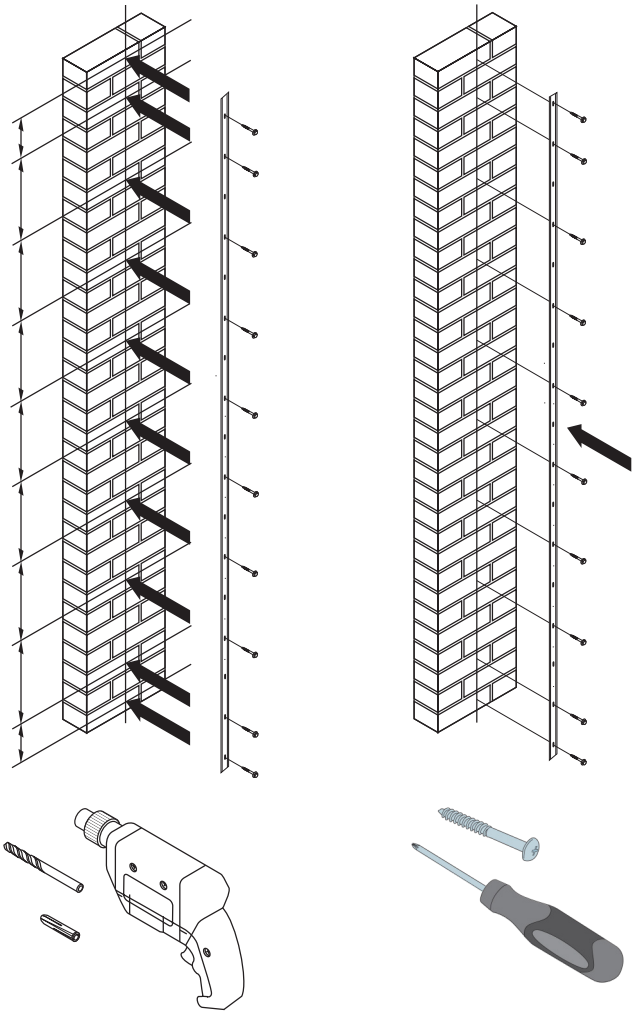
The Ancon 36/8 Wall Extension System is supplied with SX8 Nylon plugs and stainless steel pozi head screws. This fixing requires an 8mm diameter hole and is suitable for use in various types of block as well as concrete.

Prior to Installation

Remove any render, debris etc. from the existing wall/concrete where the new wall will be joined.

Installation Procedure

1. Offer up the channel section.
2. On the existing wall, mark the position of the ten fixing holes to be used so that the channel will be central to the new masonry leaf and wall ties can be positioned in the channel at 225mm vertical centres for the full height of the wall.
3. Holes are located at 150mm centres along the channel. Fixings should be installed at a maximum of 300mm vertical centres, ensuring there are fixings through the first and last hole of each channel section.
4. Drill 8mm diameter holes, 50mm deep, and install wall plugs.
5. Position channel and loosely fix screws through channel in to the wall plugs.
6. Fully tighten screws, in any order, when all channel lengths are in position.
6. Insert wall ties by turning 90˚ clockwise in the channel and build into the bed joints of the new wall, ensuring they are surrounded by mortar (225mm vertical centres are recommended).



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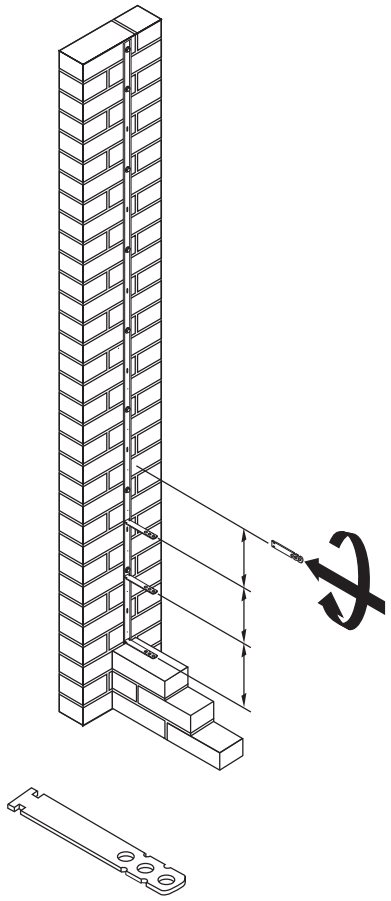
Notes

- For cavity walls: Each leaf requires a separate starter system.
- For external walls: A 10mm wide weather seal should be constructed between the existing brickwork and the new wall using either a flexible mastic sealant or a compressible sealing strip. Your local Building Control Officer should be consulted regarding further weatherproofing which may be required in accordance with Building Regulations.
- Where the wall height requires multiple channel sections, these should abut one another and be installed in the same way as above.



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