

Ancon[®]

Installation Guide

Ancon Soffit Hanger

The Ancon soffit hanger is designed to support and restrain thin soffit units, such as natural stonework, and provides a secure fixing in the structural frame thanks to the expansion anchor, which is suitable for both cracked and un-cracked concrete.

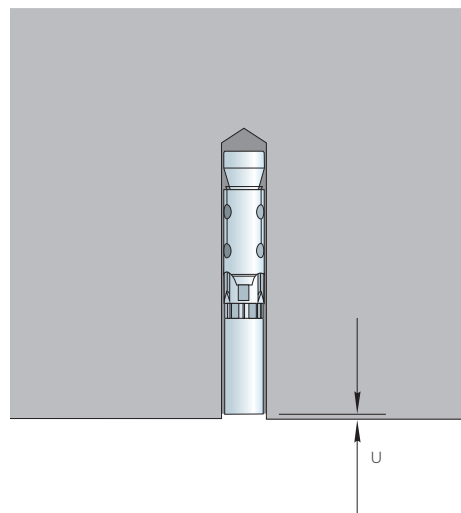
The soffit hanger comprises an M12 expansion anchor with internal thread, an M6 threaded stud with nut and washer, and a laser-cut disc which is welded in place on the end of the stud.

Ancon soffit hangers can be manufactured to suit a range of 'cavity' sizes and typically feature Ø50 x 5mm discs. Soffit units should have pre-formed or site-cut mortises at least 55mm wide to accept the discs. Before installation, the soffit unit should be checked to ensure it is capable of withstanding the localised bearing stress under the disc.

Installation procedure:

- 1 Mark out hole location for expansion anchor.
- 2 Drill Ø12 x 85mm hole using hammer drilling & clean hole using blow pump.
- 3 Unscrew the threaded stud and insert the expansion anchor until it is flush with the outer face of the concrete.
- 4 Tighten anchor using the hexagon bit supplied. Correct installation is reached at either 15Nm setting torque or when the gap between face of concrete and outer face of expansion bolt reaches 3 – 5mm (dimension 'U' shown opposite).
- 5 Insert M6 threaded stud into internally threaded expansion anchor. The exact screw-in depth for the stud will depend on the cavity dimension but should not be less than 16mm.
- 6 Fasten the nut and washer on the stud so the washer is in contact with the concrete face.
- 7 Repeat the installation process for additional soffit hangers and lay the soffit unit/s using the Ø50 x 5mm discs to provide support and restraint in the mortises.

Note – stones must be temporarily supported until four points of support are provided by the soffit hangers. Handling of the soffit units and provision of temporary support/s must be carefully considered by the design and site teams to ensure safe installation.



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