



Sitework Guidance for Halfen HMA Brickwork Support

General

The HMA Brickwork Support System provides an adjustable means of support for masonry facades above horizontal soft joints.

This document is intended to provide basic site guidance, for full technical details refer to the Brickwork and Cladding Support System brochure (Jan. 2004)

Halfen are pleased to discuss and explain any points of detail - please contact the Technical Department on the number shown below.

Drawings showing the channel and bracket setting out are normally provided by Halfen Limited. Check that the current approved drawings are available on site.

A soft joint in the facade usually occurs under the bracket, as shown on the drawing below. Care must be taken to ensure that the soft joint is maintained at the correct thickness and is kept clear of all hard material.

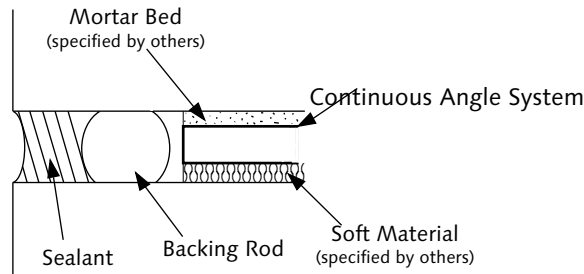
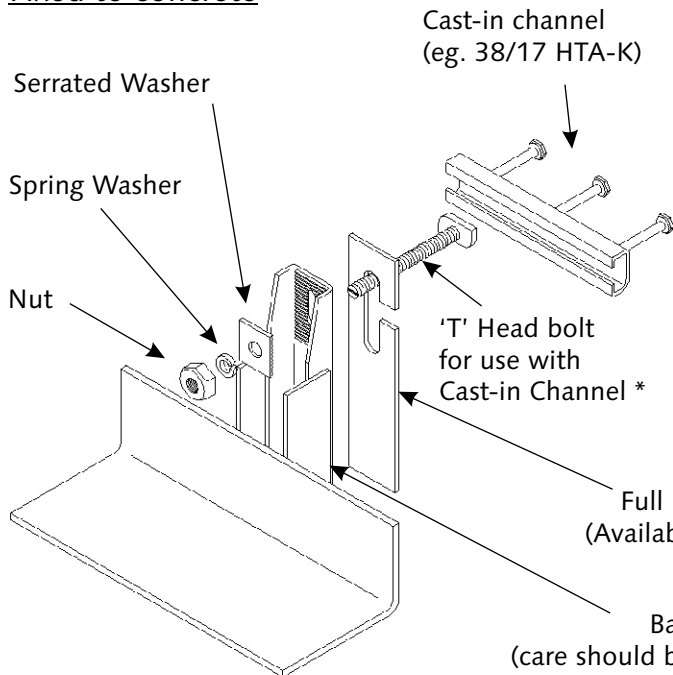


Diagram showing typical cross section at soft joint

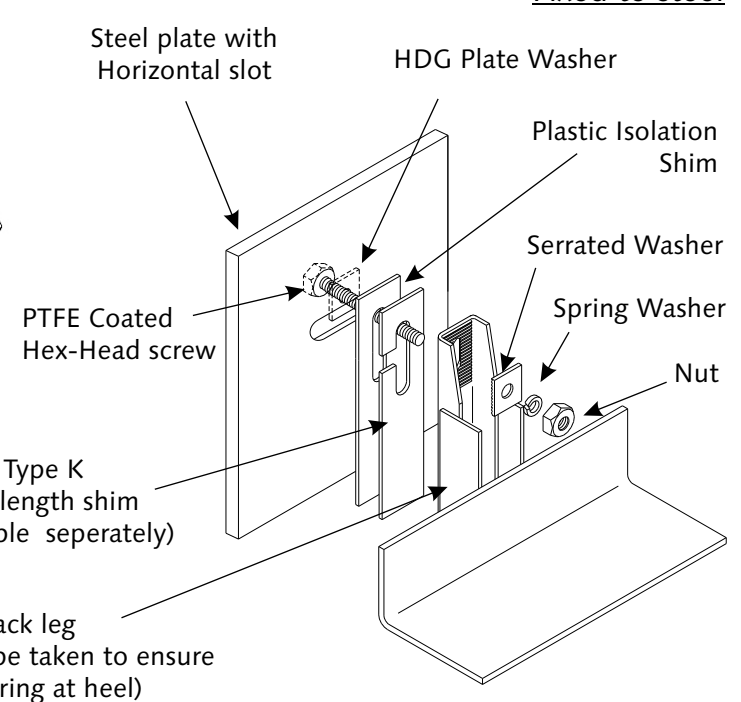
The bed joint above the bracket may be a minimal thickness sufficient to place the brick level - subject to architects approval

Typical HMA Bracket assembly

Fixed to concrete



Fixed to steel



* Fixing bolt - normally 'T' head bolt for cast-in channel.
(Set screws and anchor bolts may also be used - see job details)

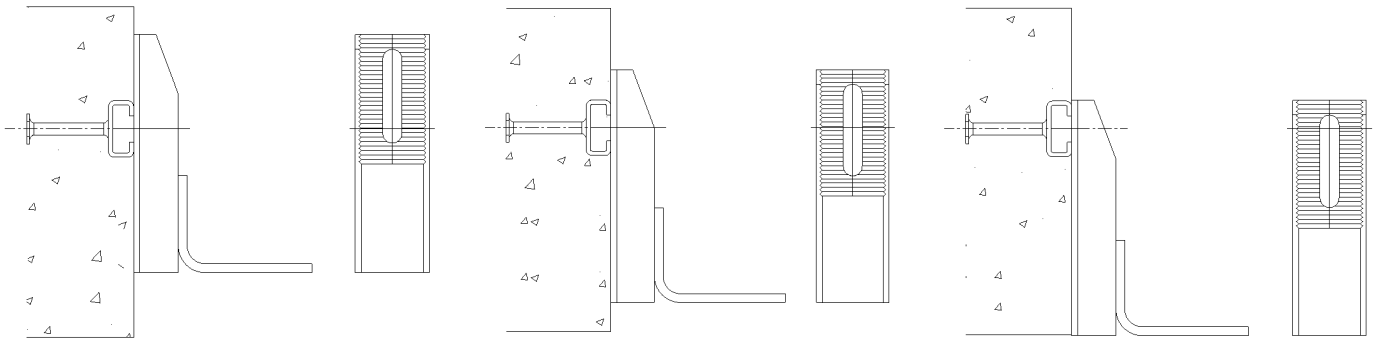
Note: All items generally supplied in Stainless Steel unless otherwise marked

Installation

1. Brackets are offered up to the fixing channel and the 'T' head bolt rotated until the head blocks fully in the channel. When the bolt is correctly inserted, the notch in the shank of the bolt will be perpendicular to the channel.
2. channel.
3. The serrated washer is pushed over the bolt (ensuring that the serrations are completely horizontal and engaged with the serrations on the bracket), followed by the spring washer and nut.

When the brackets are aligned and level, tighten the nut on the assembly to the required torque (torque figures for 'T' head bolts used with cast-in channel can be found in the Cast-in Channel & Accessories catalogue).

Adjustment



Vertical adjustment:

This is achieved with serrations around a vertical slot providing ± 25 mm vertical adjustment in 3mm increments using the serrated washer

Horizontal adjustment:

Concrete Framed Buildings:

Achieved by using horizontal Halfen cast-in channel, allowing 'T' head bolts or captive locking plates to be face entered into the channel.

Steel Structures:

Adjustment achieved by either providing horizontal slots in the structure, or by using Halfen plain back channels welded to the structure

Outward adjustment:

This is obtained by shimming using 3mm or 5mm full length shims. Always ensure the complete backleg has bearing when using shims. A maximum shim pack of 15mm is allowed. For shimming over 15mm Halfen can design a bespoke welded system.