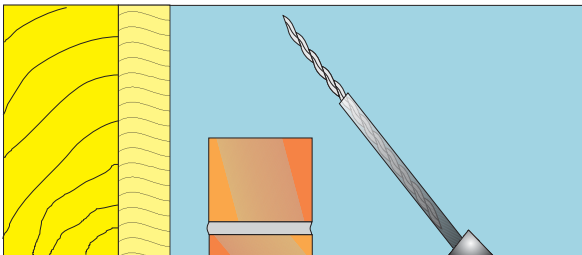


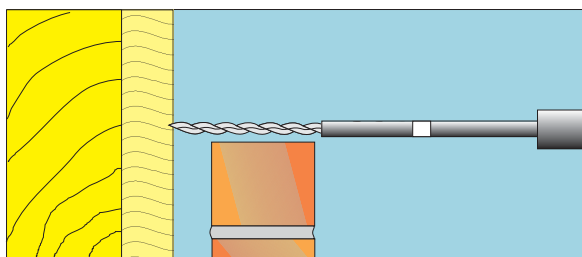
Stud-TIE

For tying new timber stud frames to masonry bed joints.
Forming cavities using timber frame construction systems.

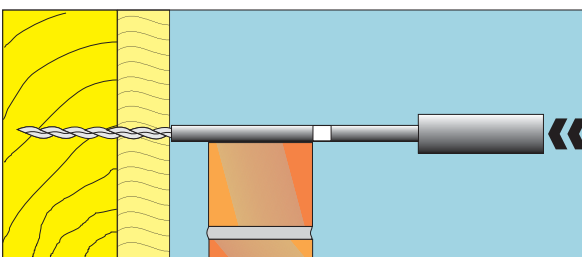
Installation Procedure



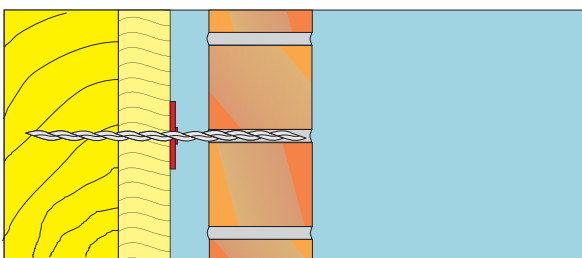
(1) Insert tie into support tool.



(2) Position tie where required and level with outer mortar bed.



(3) Hammer tie through insulation and into Timber frame then fit retaining Clip.



(4) Embed outer tie end in mortar of outer leaf masonry.

Stud tie classification DD140

Tie Size	Tie density	Laid in Mortar 70mm	Fixed in Timbers 50mm
Ø6.0mm	3.7m ²	Class 5 & 6	Class 5 & 6
Ø6.0mm	2.5m ²	Class 3	Class 3

Benefits

- ✓ Quick installation.
- ✓ Lateral flexibility over comes any misalignment.
- ✓ Allows for close to edge fixing.
- ✓ Allows for thermal movement.
- ✓ Multi water drips.
- ✓ Easily installed through cavity insulation
- ✓ No splitting to timber studs.
- ✓ Designed and tested to BS 5268-6.1 Type 6* Tie.
- ✓ Stress free fixing.

Features

- ✓ Easy and problem free installation.
- ✓ Austenitic 304 or 316 Stainless Steel.
- ✓ No disturbance to new brickwork.
- ✓ Small cross area gives good sound proofing.

Stud tie length selection

Cavity mm	Tie Length mm
0-50	170
50-75	195
75-100	220
100-125	245
125-150	270

TABLE A Tie selection

6mm Tie	50mm Inner embedment depth
Cavity mm	Tie length
50mm	170mm
75mm	195mm
100mm	220mm
125mm	245mm
150mm	270mm

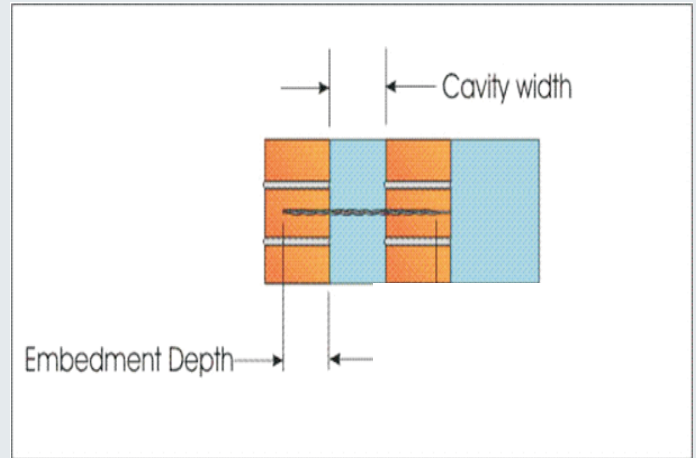
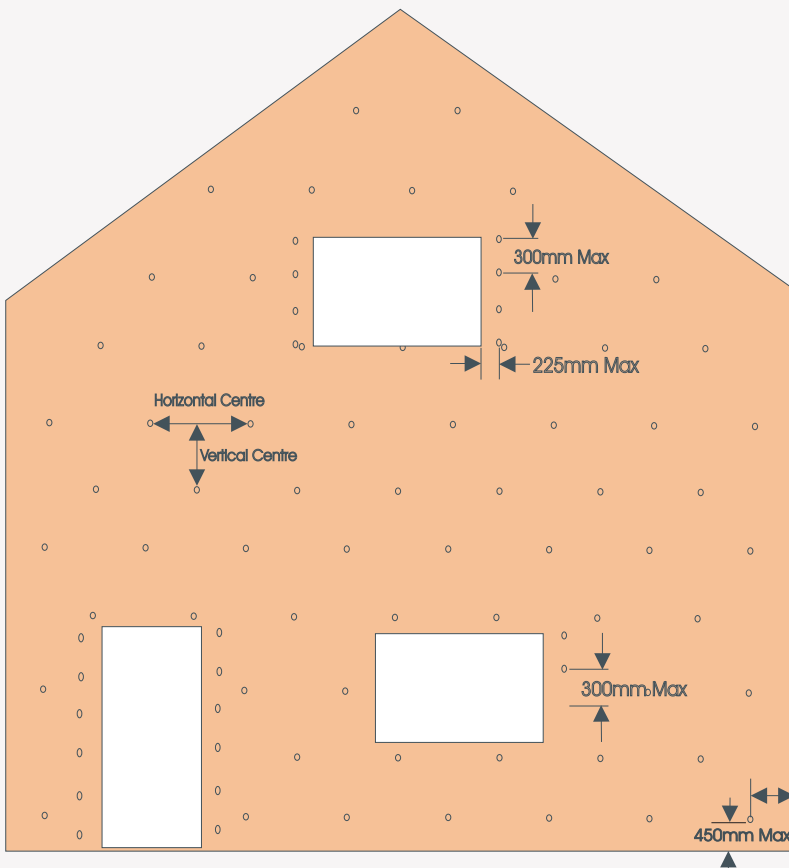
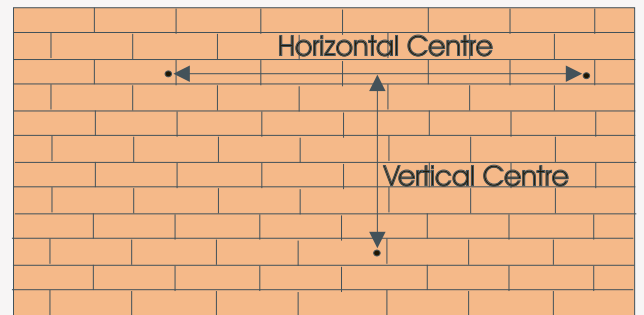


TABLE D Tie spacings and densities



- Tie positions



Always try to vertically space new ties either side of existing ties

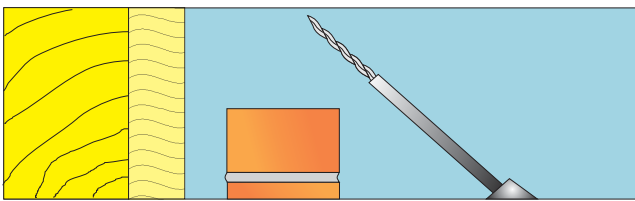
Tie densities and spacing		
Ties per M ²	Horizontal Centres	Vertical Centres
2.50M ²	900mm	450mm
3.70M ²	600mm	450mm

Stud Tie

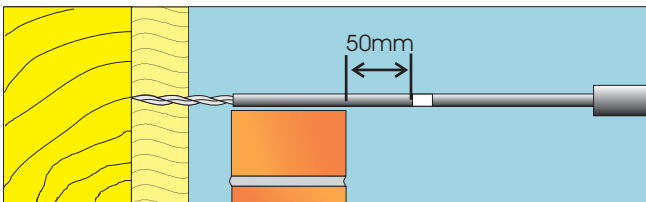
For tying new timber stud frames to masonry bed joints.
Forming cavities using timber frame construction systems.

Installation Procedure

Set up

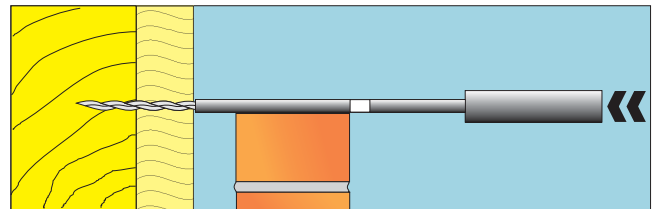


(1) Insert tie into support tool.

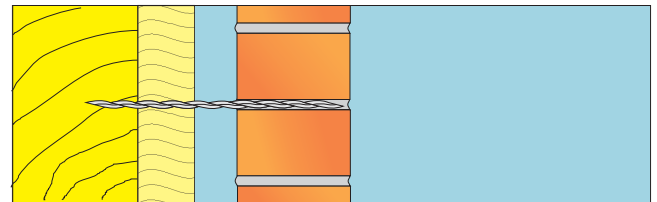


(2) Push front end of tie through any insulation until touching the stud, then measure back 50mm from the front face of brickwork and mark support tool with tape. Position tie where required and level with outer mortar bed.

Installation



(3) Hammer tie through insulation and into timber stud.



(4) Embed outer tie end in mortar of outer masonry.



Unit 3.5 Central Point, Kirpal Rd, Portsmouth, PO3 6FH,
Tel 023 92298443 Fax 023 92298445 Web wallfast.co.uk



Certificate of Conformity

Unit 3.5 Central Point, Kirpal Rd, Portsmouth, PO3 6FH
 T: 02392 298443 F:02392 298443 W: www.wallfast.co.uk E:tech@wallfast.co.uk

We certify that all our wall tie products and structural repair systems are manufactured from 304 Austenitic Stainless Steel which is in accordance with BS EN 10088 2005.

We certify that all our Stud- tie product has been designed in accordance with EN 845-1: 2003.

We certify that all our wall tie product range has been tested by the University of Portsmouth in accordance with EN 845-1: 2003.

We certify that all our products are manufactured and monitored in accordance with our ISO 9001: 2008 Quality control manual Registration N0 A11065.

Classification BS 5268-6.1 Type 5 &6* Tie					
DD140 Part 2: 1987 Tables 1, 2, 3 & 4 when installed in accordance to our technical installation procedure.					
Stud-ties					
Tie Size	Material	Tie density	Fixing	Centres	Class
6.0mm	Timber Studs	3.70 m2		600h - 450v	5 & 6
6.0mm	Timber Studs	2.50 m2		900h - 450v	3
Install addition ties @ 300mm vertical centres either side of un-return brick work					
Minimum fixing 50mm into timber stud and mortar beds					



Registration Certificate

This document certifies that the administration systems of

Wallfast Limited

Unit 3.5 Central Point, Kirpal Road, Portsmouth, Hampshire, PO3 6FH

***have been assessed and approved by QAS International
to the following management systems, standards and guidelines:***

ISO 9001 : 2008

***With the permitted exclusion of clause 7.3 Design and Development
and clause 7.6 Control of Monitoring and Measuring Equipment***

The approved administration systems apply to the following:

***The provision of manufacture, supply and installation of
remedial building products to customer requirements.
A bespoke design service to meet customer needs.***

Original Approval ***28th January 2004***.....
Current Certificate ***28th January 2013***.....
Certificate Expiry ***28th January 2014***.....
Certificate Number ***A11065***.....

On behalf of QAS International

www.qas-international.com

This certificate remains valid while the holder maintains their quality administration systems in accordance with the standards and guidelines stated above, which will be audited annually by QAS International.

The holder is entitled to display the above registration mark for the duration of this certificate.

This certificate must be returned to QAS International on reasonable request.

Issuing Office: QAS International, 20A Oxford Street, Malmesbury, Wiltshire, SN16 9AX, UK