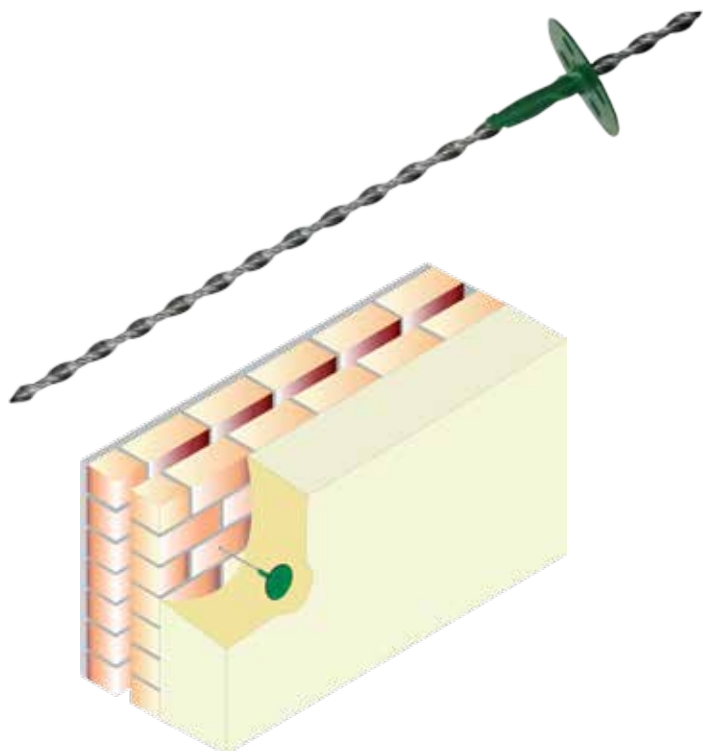


THE TRIPLEFIX CAVITY WALL INSULATION SUPPORT



Applications:

- Retaining external and internal insulation to either single skin or cavity walled masonry.

Benefits:

- Quick and easy to install.
- Suitable for brick, block, stone or concrete.
- Higher load capacity specifically in shear.
- Installs below the surface of the insulation to prevent cold bridging.
- 60mm head.
- Larger central core to prevent deflection, bending and wandering of ties.
- Allows for both the external and internal leaves to work together.
- Sizes from 150mm to 400mm.
- In 304 grade stainless steel. 316 available upon request.

At present insulation supports are designed to secure insulation from the outside, and only in a single leaf or solid wall construction.

TripleFix has a number of benefits which promotes flexibility when using insulation supports.

TripleFix is the only support tie that acts as a remedial cavity wall tie. The unique TripleFix drive adaptor places the 60mm head below the surface of the insulation. An insulation plug is then placed on top, improving the thermal efficiency of the insulation and preventing thermal bridging to occur. Thermal bridging can create damp areas which reduce the efficiency of the insulation and attack external render coverings.

Legislation to improve the thermal efficiency of insulation in both domestic housing and commercial buildings is increasing throughout the building industry. Larger cavities in housing need

therefore to accommodate greater thicknesses of insulation. There is also a greater need to increase the amount of insulation on the external facades of buildings.

At present two fixings are needed to meet this requirement. The first is a cavity wall tie and the second is a fixing to hold the insulation in place. TripleFix meets this requirement alone by carrying out both operations simultaneously.

Note: Insulation works separately with cavity walls; any movement will increase the risk of external render cracking and can lead to expensive remedial repairs.



EN 10002-1:2001
EN 845-1:2003
EN 846-5:2000
EN 846-7:2000

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Please always wear the appropriate safety and protective clothing when installing fixing and anchor products. Always observe the necessary Health & Safety guidelines.

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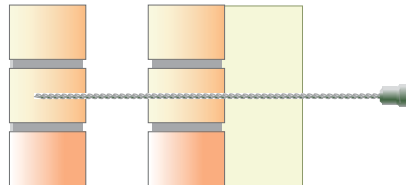
Patent pending

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THE TRIPLEFIX CAVITY WALL INSULATION SUPPORT

Installation details

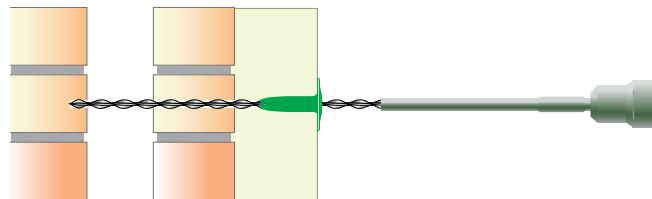
a) Drill hole through the insulation, through the external brick wall into the internal brick wall.



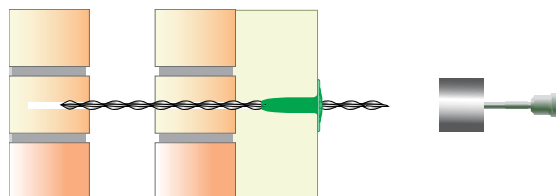
b) Put the helical fixing into the SDS power attachment.



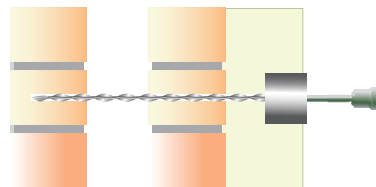
c) Press the TripleFix into the drilled hole in the insulation, then drive the tie through the TripleFix, insulation, the external leaf and into the internal wall. Leaving the end of the tie 50mm proud of the TripleFix head.



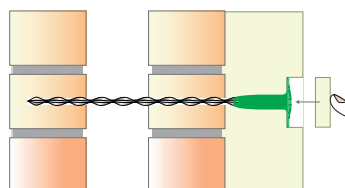
d) Fully install the helical fixing and TripleFix by using the bespoke installation / cutting tool. Turn the drill to rotary percussion, then drive the tie until flush with the face of the TripleFix. The tool will begin cutting the insulation around the TripleFix head.



e) Once the installation / cutting tool has driven the tie flush, the hammer & cutting action allows for the tie and TripleFix head to be driven below the face of the insulation



f) Push a large 60mm dia insulation plug into place.



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Patent pending

THE TRIPLEFIX CAVITY WALL INSULATION SUPPORT

Test Results

Product: TC8mm SureTwist Extra

Tensile Test Results	Brick $\geq 10 \text{ N/mm}^2$	Concrete $\geq 30 \text{ N/mm}^2$	Aircrete $\geq 2.8 \text{ N/mm}^2$
85mm Embedment			1.9kN
75mm Embedment	2.4kN	2.1kN	
50mm Embedment	2.2kN	1.8kN	
Compression Test Results			
200mm Cavity	.90kN	.90kN	.90kN
300mm Cavity	.49kN	.49kN	.49kN
400mm Cavity	.32kN	.32kN	.32kN

Tensile Test Results of the Nylon Head Connection

Test 1	1.02kN
Test 2	1.10kN
Test 3	.96kN
Test 4	1.08kN
Test 5	.94kN
Test 6	1.11kN
Mean load	1.03kN

SDS power attachment



Range

TripleFix insulation supports

Item N°	Size mm	Pack Qty.
TF 60	60	1000
TF 145	145	1000

TripleFix TC8 mechanical wall ties

RHRTC08150	TC8 x 150	100
RHRTC08200	TC8 x 200	100
RHRTC08250	TC8 x 250	100
RHRTC08300	TC8 x 300	100
RHRTC08350	TC8 x 350	100
RHRTC08400	TC8 x 400	100

SDS power installation cutter



TripleFix Tooling

Item N°	Size mm	Description
TJSDS08	8mm	8mm SDS power attachment
TFPAIC	60mm	SDS power installation cutter
RTJIRPS09	8/9mm	8 / 9mm SDS power support tool (use with 145 only)

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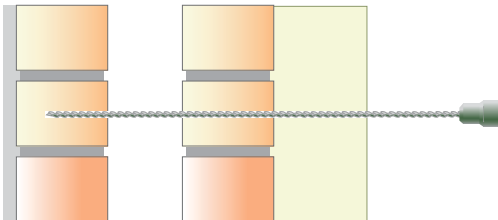
Patent pending

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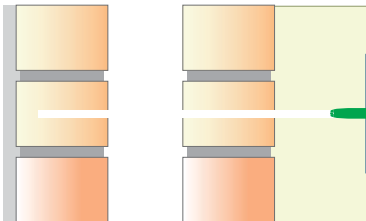
THE TRIPLEFIX 145mm DIA. INSULATION SUPPORT

A large insulation support to be used in conjunction with the TripleFix cavity wall support and tie.

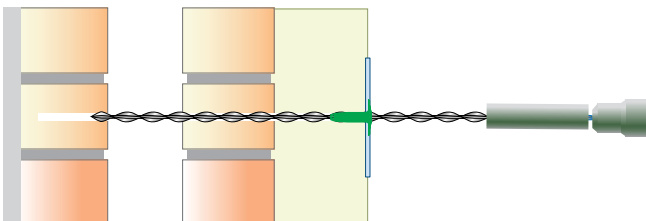
Installation details



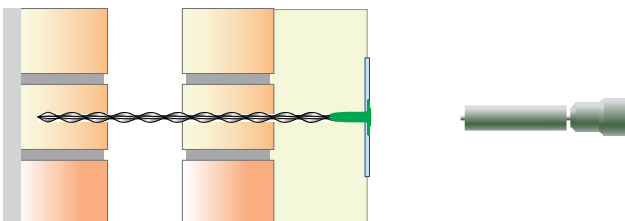
a) Drill hole through the insulation, through the external brick wall and into the internal brick wall.



b) Press the TripleFix support through the 145mm support, then push into the drilled insulation.



c) Drive the TC8 helical tie through the TripleFix support using a power support tool, with the drill set to hammer action only.



d) Drive the TC8 tie fully home.



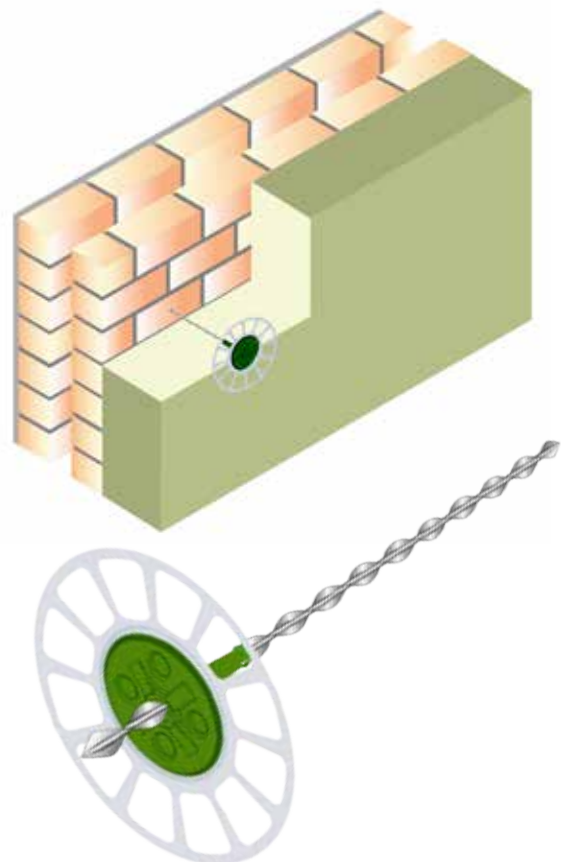
SDS Power Support Tool

Applications:

- ▢ Retaining external and internal insulation to either single skin or cavity walled masonry secured to the external face of the insulation.

Benefits:

- ▢ Quick and easy to install.
- ▢ Suitable for brick, block, stone or concrete.
- ▢ Higher load capacity specifically in shear.
- ▢ 145mm large head.
- ▢ The large head, secures to the insulation face spreading the load.
- ▢ Larger central core to prevent deflection, bending and wandering of ties.
- ▢ Allows for both the external and internal leaves to work together.
- ▢ Sizes from 150mm to 400mm.
- ▢ In 304 stainless steel, 316 available upon request.



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