



Internal Separating (Party) Walls

Approved Document E: Resistance to the Passage of Sound specifies the requirements for Wall Ties for use in internal separating walls of new-build attached dwellings. It states that ties must have a measured dynamic stiffness of less than 4.8MN/m³ to minimise the transfer of sound across a cavity.

Independent tests have proven that the stainless steel wall tie referenced Staifix HRT4, which forms part of Ancon's low thermal conductivity range, meets this stringent acoustic requirement. The HRT4 is suitable for use in separating walls with a cavity width of 50, 75, 100, 125 and 150mm.

Cellular Clay Blockwork

Ancon continues to expand its wall tie range to suit changes in building methods and has recently developed a range of wall ties for the new Porotherm cellular clay block system.

Thermal Breaks

Returning to the theme of energy efficiency, this year also sees the launch of Ancon's Thermal Break system for use with masonry support brackets.

Ancon Thermal Breaks are manufactured from a durable fibre-reinforced thermoset plastic which combines low thermal conductivity (0.3W/mK) with high compressive strength. They are shaped like a standard Ancon key-hole shim in order to locate quickly and easily between bracket and structural frame, as the support system is installed. Thermal Breaks for Ancon frame cramps are also available.

www.ancon.co.uk/WallTies

Ancon

The range continues to grow

ANCON IS THE UK'S LEADING SUPPLIER OF STAINLESS STEEL SUPPORT AND RESTRAINT SYSTEMS FOR MASONRY CLADDING; A RANGE WHICH INCLUDES THE MOST COMPREHENSIVE SELECTION OF WALL TIES ON THE MARKET.

The company manufactures cavity wall ties for tying brick cladding to traditional-, cellular clay- and thin joint- blockwork, timber frames and light steel C-sections.

An active product development programme ensures a constant stream of new and improved products which meet the demands of a dynamic industry. A few of the company's latest new products are detailed here.

Low Thermal Conductivity Wall Ties

Wall Ties are an essential element in the strength and stability of a cavity wall, but by

crossing the cavity they act as a thermal bridge. Generally speaking, the wider the insulated cavity, the more substantial the Wall Tie needs to be and the greater the effect the tie will then have on the thermal efficiency of the wall.

The challenge for the Wall Tie industry was to reduce the thermal conductivity of its products whilst continuing to meet structural performance requirements. Ancon has met this challenge with the launch of a new range of Low Thermal Conductivity Wall Ties; ties which minimise heat loss through thermal bridging, thereby improving the energy efficiency of a wall.

This new range of Ancon Wall Ties suits cavities from 50mm to 300mm, essentially future-proofing masonry cavity wall construction with which all clients, contractors and designers are familiar.

In addition to slender wire wall ties, the Ancon range includes TeploTie basalt fibre wall ties. With a thermal conductivity of just 0.7W/mK, the unique Ancon TeploTie is excluded from U-value calculations and can therefore be used to reduce insulation thickness and wall footprint. The TeploTie is BBA-approved and has been used on certified Zero Carbon and PassivHaus housing developments.

