

Helping to deliver sustainable, energy efficient buildings

LOW THERMAL CONDUCTIVITY CAVITY WALL TIES

Wall Ties are an essential element in the strength and stability of cavity walls, but by crossing the cavity they act as a thermal bridge between the internal and external leaves. Generally speaking, the wider the insulated cavity, the more substantial the Wall Tie needs to be and the greater the effect the tie has on the U-value of the wall.

The challenge for the Wall Tie industry, set by the Government's ambitious energy efficiency targets, is to reduce the thermal conductivity of its products whilst continuing to meet the structural performance requirements of multi-storey and wide cavity construction. Ancon has met this challenge...



Ancon Low Thermal Conductivity Cavity Wall Ties minimise heat transfer through thermal bridging, thereby improving the energy-efficiency of a wall.

Ancon Teplo 'Basalt Fibre' Wall Ties are composite wall ties comprising pultruded basalt fibres set in an epoxy resin and are the most thermally-efficient wall ties on the market. With a thermal conductivity of only 0.7W/mK, they can be used to reduce insulation thickness and wall footprint. A sand finish provides excellent mortar key.

Futureproofing for Traditional Masonry Cavity Construction

Ancon's low thermal conductivity wall ties can be used in partial-fill and full-fill insulated cavity walls to meet Code for Sustainable Home levels 3 to 6. It is widely accepted that to meet the higher code levels the emphasis shifts from the thermal performance of the walls to the use of renewable energy.

