



## Masonry to Masonry Wall Ties

These products act to secure two leaves of a cavity wall to each other, allowing them to act as one structurally.

A cavity tie usually incorporates some mechanism, (usually a change of shape) to discourage moisture moving across the tie.

Most cavity ties are available with a dedicated clip to secure insulation (usually in sheet form) within the cavity



## Product

### NEUTRAS-1 Low Thermal Conductivity Tie

The basalt fibre composite Neutras wall tie is an extremely versatile product and has been designed to serve as a uniquely adaptable substitute for traditional steel ties. Neutras wall ties have both low thermal conductivity and high structural performance levels.

## Features

- High Specific tensile strength 4-6 times higher than stainless steel
- Excellent corrosion resistance (never rusts)
- Low thermal conductivity of 0.65W/mK, which is 15-20 times lower than stainless steel
- High compressive strength compared to conventional FRP materials
- Non-magnetic and electrically non-conductive

## Testing

- Tested for strength in tension, compression, thermal conductivity and fire conditions
- Tested in 60min fire conditions by BRE materials
- Meets technical requirements of NHBC
- Thermal conductivity by the Imperial College (London)
- Tested to BS EN 845-5:2000 by Lucideon in Stoke-on-Trent (results below)

NEUTRAS-1-275 for up to 150mm Cavity	
M2 Mortar used	
Tension	2540N
Compression	3470N
M12 Mortar used	
Tension	7290N
Compression	5080N

### Safety Precautions

NEUTRAS ties may contain sharp edges. Suitable personal protection should always be used when handling/installing these products.

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