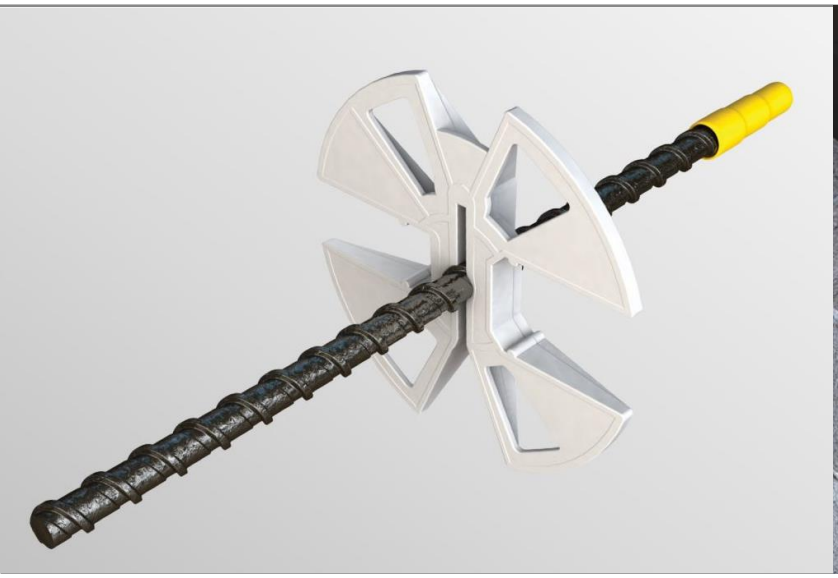
NEUTRAS-2 Low Thermal Conductivity Tie

Data Sheet

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-2 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 stell
- Excellent corrosion resistance (never rusts)
- Low thermal conductivity of 0.65W/mK, which is 15-20 times lower than stainless style
- 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-2-425 for up to 300mm Cavity	
M2 Mortar used	
Tension	2380N
Compression	1760N
NEUTRAS-2-325 for up to 200mm Cavity	
M2 Mortar used	
Tension	3210N
Compression	1390N

Safety Precautions

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

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