

# NEUTRAS

## Product description/ specification:

This new and innovative product 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. This means they can be excluded from the current U value calculations in EN ISO 6946 and provide a credible solution to new legislation requirements.

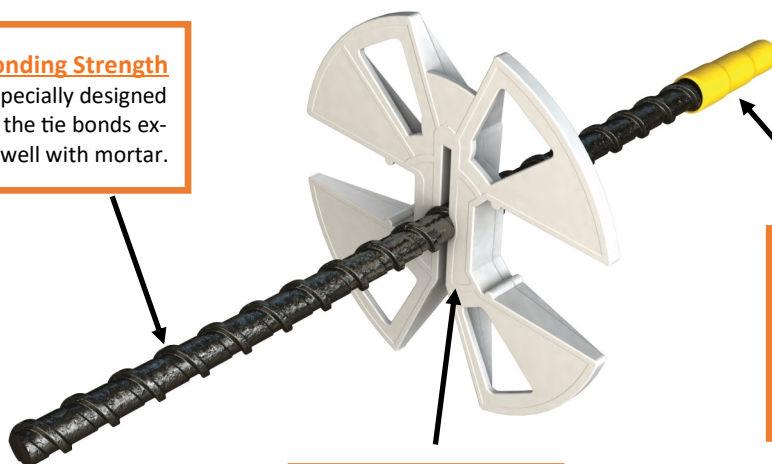
- High specific tensile strength 4-6 times higher than stainless steel.
- Excellent corrosion resistance (never rusts).
- Low thermal conductivity of 0.65W/mK, which is 15-20 times lower than stainless steel.
- High compressive strength compared to conventional FRP materials.
- Non-magnetic and electrically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

### Testing

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

### High Bonding Strength

Due to specially designed surface, the tie bonds extremely well with mortar.



### Protective End Caps

Comes with temporary high visibility protective end caps to ensure protruding ties are visible, thus minimising on-site accidents.

### Soft Insulation Clips

Readily available to hold insulation batts in place.



| <b><u>Product</u></b> | <b><u>Cavity Width</u></b> | <b><u>Units per pack</u></b> |
|-----------------------|----------------------------|------------------------------|
| Neutras-4-200         | 75mm(Max. 10m High)1       | 250                          |
| Neutras-4-225         | 100mm                      | 250                          |
| Neutras-4-250         | 125mm                      | 250                          |
| Neutras-4-275         | 150mm                      | 250                          |
| Neutras-4-300         | 175mm                      | 250                          |
| Neutras-2-200         | 75mm(Max. 15m High)        | 250                          |
| Neutras-2-225         | 100mm                      | 250                          |
| Neutras-2-250         | 125mm                      | 250                          |
| Neutras-2-275         | 150mm                      | 250                          |
| Neutras-2-300         | 175mm                      | 250                          |
| Neutras-2-325         | 200mm                      | 100                          |
| Neutras-2-350         | 225mm                      | 100                          |
| Neutras-2-375         | 250mm                      | 100                          |
| Neutras-2-400         | 275mm                      | 100                          |
| Neutras-2-425         | 300mm                      | 100                          |
| Neutras-1-200         | 75mm(Max. 18m High)        | 250                          |
| Neutras-1-225         | 100mm                      | 250                          |
| Neutras-1-250         | 125mm                      | 250                          |
| Neutras-1-275         | 150mm                      | 250                          |