

# Warm Roof Nail fixings

## Description

Super-7™ Warm Roof Nails are headless helical fixings that carry the wind and sliding loads that are encountered by pitched roofs having deep over rafter insulation.



HeliCalc™ software selects the appropriate fixing length and density using a BRE approved design method

to calculate wind & snow loads in accordance with BS6399 Part 2 & Part 3. National Annexes to Euro-codes 0 and 5 apply partial safety factors in respect of timber connections, dead loads, wind loads and snow loads.

The results of HeliCalc software are specific to genuine Thor Helical Super-7 fixings only.

- BRE Approved Design Method
- Independently tested
- Meets the requirements of the NHBC

## Benefits

Where 80-150mm deep insulation is used the robust Super-7™ warm roof nail enables fixing densities to be reduced by up to 66% compared to traditional 6mm helical nail systems.

The result offers an overall reduction in thermal bridging potential and significant labour savings by virtue of reduced nailing.



## Distinction

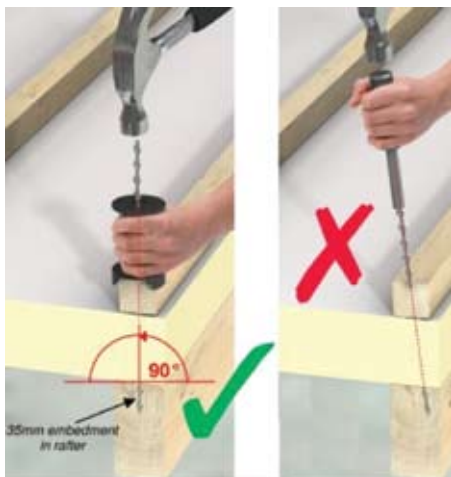
Thor Helical Super-7 nails are engineered with a patented precise pitch accuracy to ease driving & alleviate buckling.

The patent pending Super-7 Guide Tool overcomes the technical and practical deficiencies associated in skew fastening, improving build quality by guiding the spiral nail through deep insulation layers and vertically into the central section of the hidden rafter.



Improved warm roof build quality enables single layer of deep over rafter insulation and eliminates the need for less efficient and labour intensive dual-layer systems.

- Improved build quality.
- Labour savings – up to 66% less nailing
- Suitable for up to 150mm insulation



## Method statement

1. Locate batten directly above & perpendicular to the rafter. Apply body weight to hold batten tightly against insulation.
2. Position tool on batten. Feed Super-7 helical nail into bore & adjust tool's seating, using its bubble level, to align spiral nail upon a vertical plane.
3. Nail helical fixing through batten & down to top of tool. Remove tool & drive spiral fixing until flush with the top of the counter-batten.

## Product specification

**Product:** Thor Helical Super-7™ WR Nail

**Material:** Austenitic Stainless steel -(304)

**Nominal Diameter:** = 7mm

**Cross Sectional Area:** < 9mm<sup>2</sup>

**Ultimate Tensile Strength:** > 1100N/mm<sup>2</sup>

**Pitch Deviation on Tie:** < 0.5%\*

**Lengths:** = 130-240mm in 10mm increments

\*European Patent No. EP1307303.

### Twistfix Ltd

6th Floor, 8 Exchange Quay, Manchester M5 3EJ

www.twistfix.co.uk

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technical helpline

**0845 123 6006**

sales line

**0845 123 6007**