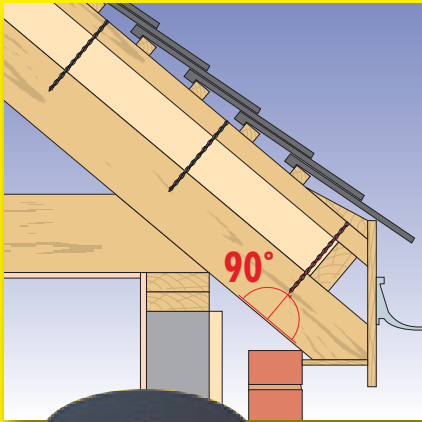
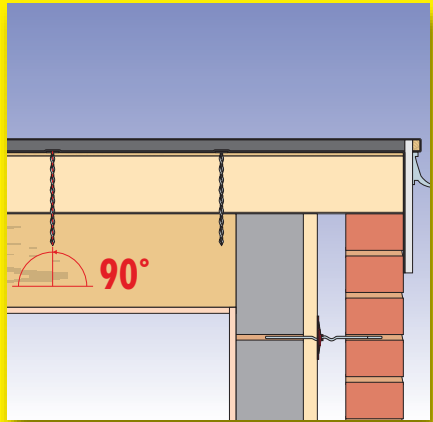


# In straight, not in skew

## Helical Nails for Warm Roof Construction



Pitched Roof



Flat Roof



Products for  
**PITCHED &  
FLAT ROOFS**



# Staifix®

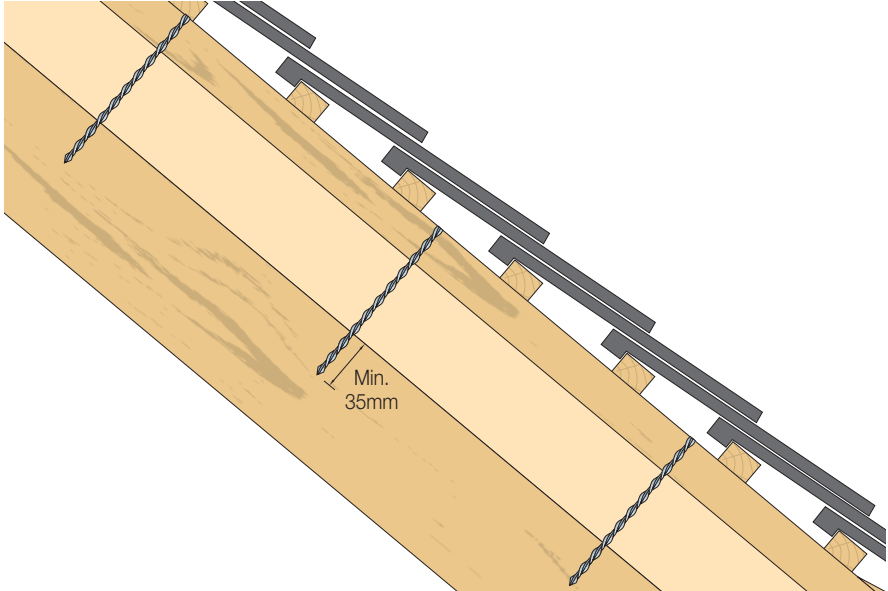
THORHELICAL®

From

**Ancon®**  
BUILDING PRODUCTS

# Warm Roof Construction

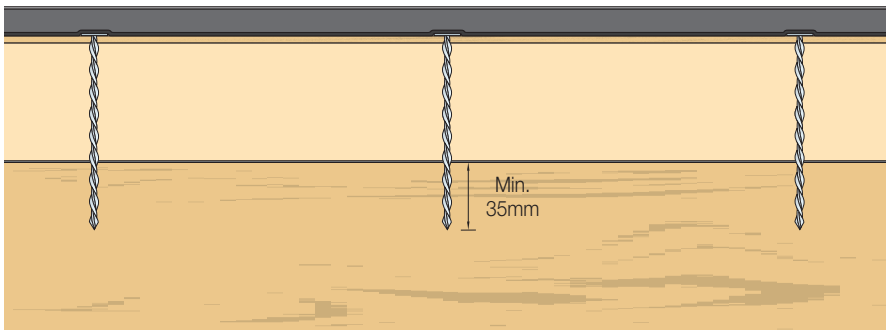
## Pitched Roofs



Helical nails fix counterbattens to rafters, without compressing the layer of insulation in-between.

---

## Flat Roofs



Headed helical nails fix plywood/insulation composite roof panels to joists.

# Product Range

Helical nails are a quick and reliable fixing for use in warm roof applications. Unlike traditional nails, they rotate as they are driven in, inducing a self-tapping action and consequently do not split or bounce timbers.

## Super-7™ Alignment Tool for Pitched Roofs



*Patent pending*

## Super-7™ Thor-Helical Nail for Pitched Roofs

Stocked Lengths:

140, 150, 160, 165, 175, 185mm

**Note:** Other lengths are available in increments of 5mm

See pages 4-5 for more details



European Patent No. 1307303

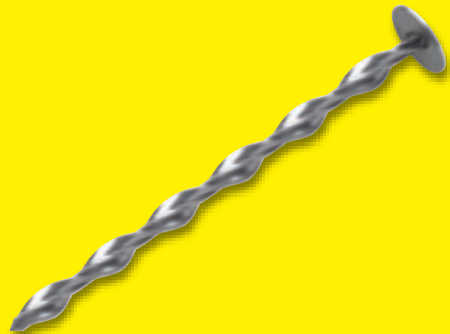
## Super-8 Headed Helical Nail for Flat Roofs

Standard Lengths:

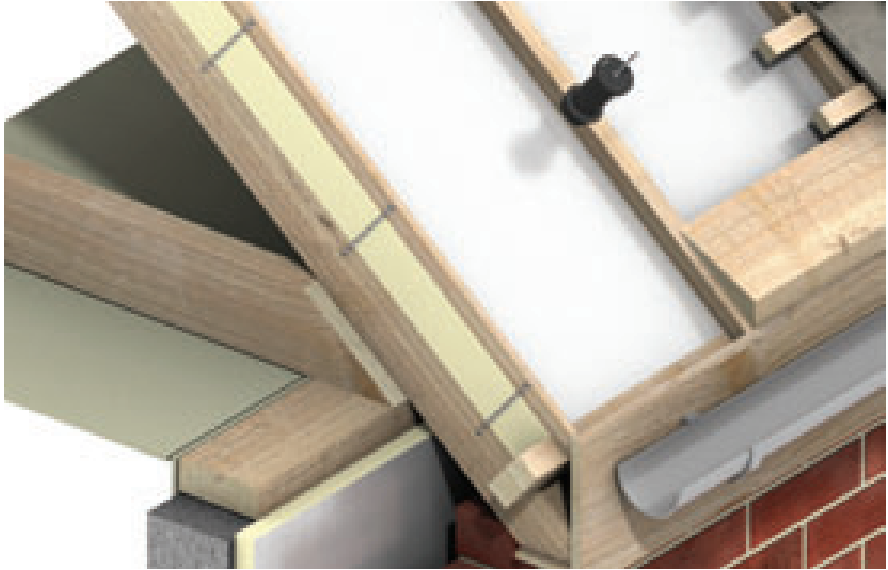
135, 165, 195mm

**Note:** Other lengths are available on request

See pages 6-7 for more details.



# Helical Nails for Pitched Roofs



European Patent No. 1307303

## **Super-7™ Thor-Helical Nails**

Super-7™ nails install flush to the counterbatten. They are manufactured from stainless steel and are engineered with the precise Thor-Helical patented helix, and so provide maximum corrosion resistance and excellent holding power. They are stocked in six standard lengths and meet the technical requirements of the NHBC.



## Nail Lengths

Stocked Lengths (mm)
140, 150, 160, 165, 175, 185

**Note:** Other lengths are available in increments of 5mm

## Pack Sizes

Nail Length	Quantity per Box
160mm and under	400
165mm and above	200

## Recommended Nail Length and Fixing Centres

This information should be calculated using HeliCalc, a free web-based program available at [www.helicalc.co.uk](http://www.helicalc.co.uk). Users simply input details of their site location and roof construction, and HeliCalc calculates the length, density and quantity of Super-7™ nails required for the project. Alternatively, contact Ancon with your project details.

**Note:** HeliCalc results are specific to Super-7™ Thor-Helical nails. The data is calculated using a design method, formulated by Ancon Ltd and independently approved by the Building Research Establishment, which is applied to the results of a comprehensive and independent test programme carried out by CERAM Building Technology. Wind load calculations are to BS6399: Part 2: 1997. Snow load calculations are to BS6399: Part 3: 1988. Partial safety factors are from National Annexes to Eurocodes 0 and 5 and are applied in respect of timber connections, dead loads, wind loads and snow loads.

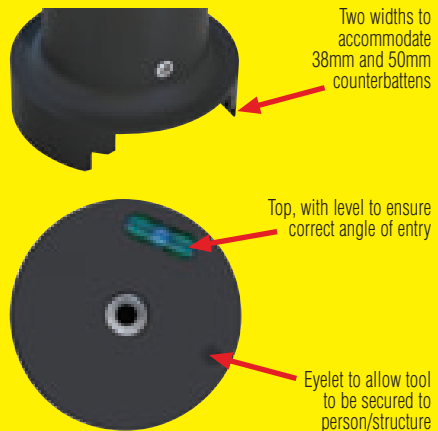
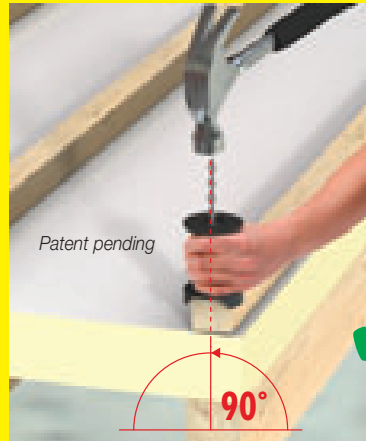
## Test Results

Test data is available on request.

## Super-7™ Alignment Tool

This innovative Alignment Tool vertically aligns and centres a nail on the counterbatten to rafter arrangement, improving build quality.

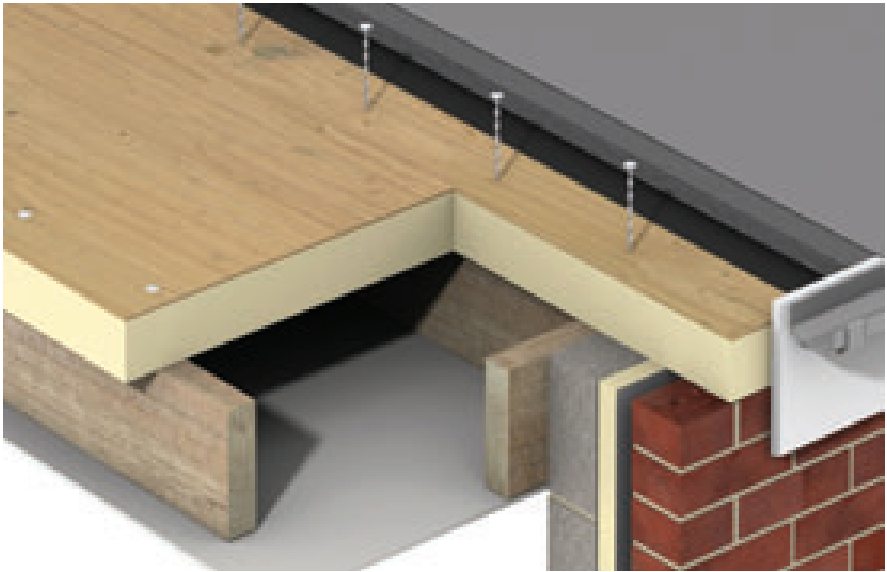
The tool features a levelling indicator to identify a vertical plane.



Super-7s can be hammered in or power-driven. SDS drill attachments are available.

**Staifix®**

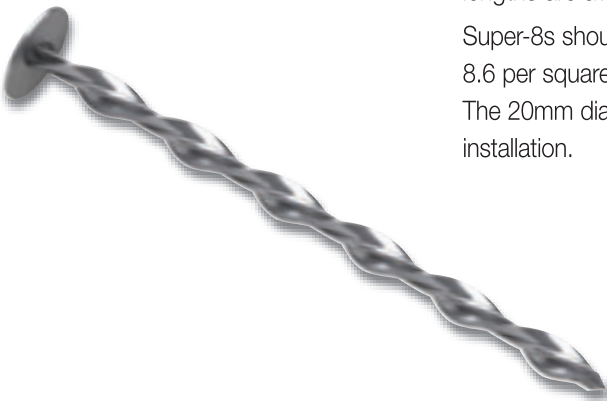
# Helical Nails for Flat Roofs



## **Super-8 Headed Helical Nails**

Headed helical nails are designed to secure plywood/insulation composite roof decks to timber joists. They are manufactured from zinc coated steel in three standard lengths which suit panel depths from 70mm to 156mm. Other lengths are available on request.

Super-8s should be installed at a rate of 8.6 per square metre, using a hammer. The 20mm diameter head simplifies installation.



## Nail Lengths and Pack Sizes

Standard Lengths (mm)	Quantity per Bag	Quantity per Box
135	25	500
165	25	500
195	25	300

**Note:** Other lengths are available on request

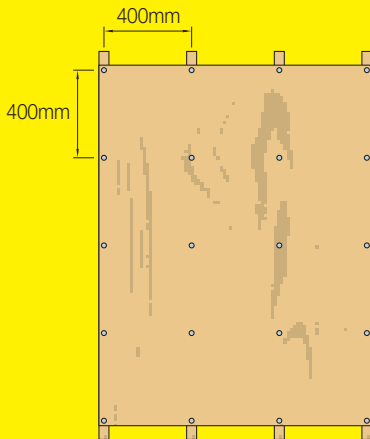
## Recommended Lengths

Composite Panel Depth	Recommended Nail Length
70-96mm	135mm
96-126mm	165mm
126-156mm	195mm

Super-8 nails should achieve a minimum embedment of 35mm in the joist.

## Recommended Axial Spacings

Joist Centres	400mm	600mm
Axial Spacings	400mm x 400mm	600mm x 300mm



## Test Results

Test data is available on request.

Ancon will advise on the correct selection of fixing to suit any project and provide details of your nearest stockist.

# Tel: 0114 238 1 238

International Tel: +44 114 238 1 238

# Visit: [www.ancon.co.uk](http://www.ancon.co.uk)

Your local stockist is:



### Ancon Building Products

President Way, President Park, Sheffield S4 7UR

Tel: +44 (0) 114 238 1238

Fax: +44 (0) 114 276 8543

Email: [info@ancon.co.uk](mailto:info@ancon.co.uk)

Visit: [www.ancon.co.uk](http://www.ancon.co.uk)

© Ancon Building Products 2008

This brochure is printed on paper produced from 80% recycled post-consumer fibre and 20% virgin pulp which is sourced from responsibly managed and sustainable forests (FSC certified). The printing inks and sealant are vegetable-based making the document fully recyclable.



The construction applications and details provided in this literature are indicative only. In every case, project working details should be entrusted to appropriately qualified and experienced persons.

Whilst every care has been exercised in the preparation of this document to ensure that any advice, recommendations or information is accurate, no liability or responsibility of any kind is accepted in respect of Ancon Building Products.

With a policy of continuous product development Ancon Building Products reserves the right to modify product design and specification without due notice.



ISO 9001: 2000  
FM 12226



ISO 14001: 2004  
EMS 505377