



INSOFAST ISF 18 FLAT ROOF INSULATION FIXINGS

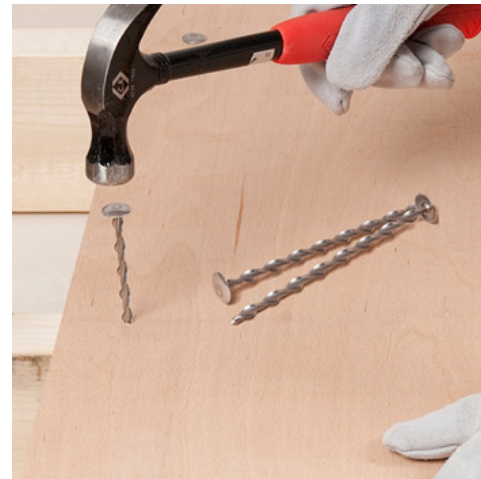
Quick, easy to use and reliable fixings for composite insulation panels. These flat roof insulation fixings nail 6mm plywood-faced insulation boards to rafters in warm deck applications. They are supplied in stainless steel or zinc plated steel versions.

Thor Helical flat roof insulation fixings are generally used to fix 6mm plywood-faced composite insulation boards to rafters in warm roof deck applications. Unlike traditional screws, the Insofast ISF-18 spiral fixings rotate as they are hammered in, inducing a self-tapping corkscrew action.

The quick, easy to use and reliable spiral nails have a large button head mounted on a precision engineered helical shank, the cross sectional area of the profiled 7mm shank is just 10mm². This small cross section reduces cold bridging by 75% when compared to a standard fixings of the same diameter.

Flat roof insulation fixings are available in zinc-plated carbon steel. For improved thermal performance, and additional protection against the corrosion, Thor Helical also supplies a stainless steel version. Stainless steel is 4 times less conductive than carbon steel.

Thor Helical Insofast ISF-18 flat roof nails are available in a choice of zinc plated 8.8 high tensile steel or AISI304 stainless steel.



CHARACTERISTIC PERFORMANCE LOAD (Tested at Ceram)

TENSION TEST	LOAD
35mm Penetration in Softwood Joist	1.2kN

TYPICAL MECHANICAL PROPERTIES OF THOR HELICAL SOFFIT FIXINGS

STAINLESS STEEL	VALUE
Ultimate Tensile Strength	=> 11.0kN
Load at 0.2% Proof Stress	=> 8.8kN

ZINC PLATED CARBON STEEL	VALUE
Ultimate Tensile Strength	=> 5.5kN
Load at 0.2% Proof Stress	=> 4.9kN

PRODUCT SPECIFICATION
Thor Helical flat roof insulation fixings are available in standard lengths of:
<ul style="list-style-type: none"> • 120mm – for 80mm panels • 145mm – for 85-110mm panels • 170mm – for 115-135mm panels • 195mm – for 140-160mm panels • 220mm – for 165-185mm panels • 245mm – for 190-210mm panels (stainless steel only)