



INSOFAST ISF 35 SOFFIT INSULATION BOARD FIXINGS

Insofast ISF-35 Soffit insulation board fixings are used to anchor insulation boards to concrete ceilings in fire-resistant applications. Greater performance and less cold bridging than 8mm tubular insulation support anchors. Supplied in a choice of stainless Steel or zinc plated steel versions.

Thor Helical manufactures soffit insulation board fixings for securing insulation boards to concrete ceilings and soffits. The fireproof Insofast ISF-35 is a one-piece helical fastener having a 7mm spiral shaft and a 35mm dome reinforced head with a perforated rim. These insulation support anchors are suitable for fixing mineral wool and foam insulation to concrete soffit boards in all applications where fire-resistance is required.

A small 6mm pilot hole is needed to fix soffit insulation boards to structural concrete. The hole is drilled to a depth that is at least 5mm longer than the required embedment depth of the anchor. This small hole reduces the invasive effects of using larger drill bits and ensures maximum integrity of the insulation. The fasteners are hammer-driven into undersized pilot holes. They corkscrew through the insulation board and into the underside of the concrete ceiling to deliver a superior anchorage with twice the holding power of tubular-spring insulation supports.

Cold bridging is minimised thanks to a thermally efficient 7mm spiral shaft that has a cross sectional area just 10mm². The small cross section, coupled with the fact that the ISF-35 has minimal contact with the concrete, reduces cold bridging significantly when compared to 8mm tubular insulation supports. The Insofast soffit insulation board fixings are available in both zinc-plated carbon steel and stainless steel. For improved thermal performance, and additional protection against corrosion, stainless steel is often the preferred option.



PRODUCT SPECIFICATION

Soffit insulation fixings are available in a choice of zinc plated 8.8 high tensile steel or AISI304 stainless steel.

Insofast ISF-35 fixings are available in standard lengths of:

110mm, 145mm, 170mm, 200mm, 225mm – Stainless steel only, 250mm – Stainless steel only.

PERFORMANCE LOADS at 1mm deflection

BASE MATERIAL	EMBEDMENT	LOAD
Concrete	40mm	581N

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