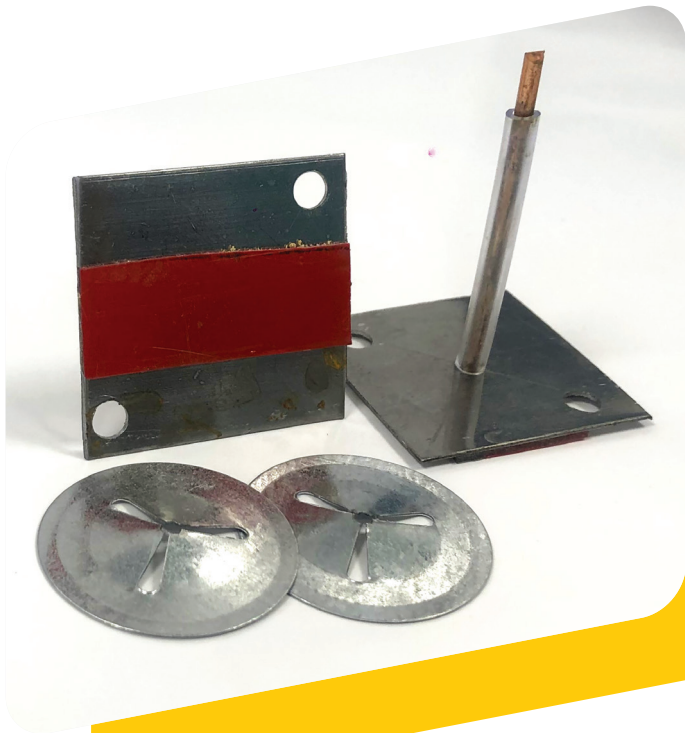




Isover Insulation Pins

Mild steel and copper
insulation pins designed for
under soffit applications





Isover Insulation Pins are high performance under soffit insulation pins that are specifically designed to be used with **Energylite® batts** to form the **Isover Duo** under soffit system.

TECHNICAL DATA SHEET



EASY TO INSTALL

DESCRIPTION

Isover Insulation Pins are manufactured with a mild steel base plate, a copper pin equipped with a plastic sleeve, and a steel washer. Specifically designed for use with Energylite® batts, the plastic sleeve serves the crucial purpose of preventing compression of the insulation during the securing process with the washer.

The combination of Isover Insulation Pins, Energylite® batts, and washers constitutes the legislatively compliant Isover Duo system. The pins play a crucial role in securely fastening the insulation beneath the soffit, where the non-combustible Energylite® provides excellent thermal insulation and acoustic insulation properties.

This integrated system ensures safety and optimal insulation performance in various building applications.

FEATURES & BENEFITS

- Non-combustible - compliant with legislation
- Acoustic comfort
- Thermal comfort
- Maintenance free
- Safe application and use
- Long product life - will not readily age.

APPLICATIONS

Commercial buildings:

- Isover Duo is suitable for basements, garages, parkades and buildings with uninsulated raised floors.

BASE PLATE PHYSICAL PROPERTIES

Length (mm)	Width (mm)	Thickness (mm)	Holes (mm)
45	45	0.8	4.8

PIN PHYSICAL PROPERTIES

Diameter (mm)	Length (mm)	Coating	Tolerance (%)
3	60	Copper	5

Typical values

HANDLING & STORAGE

Insulation Pins

- Store Insulation Pins in a box to avoid any damage to the pin or the pin being stepped on. Handle the pin with care and ensure that the plastic sleeve remains intact.

MATERIALS NEEDED FOR INSTALLATION

Energylite® batts, Isover Insulation Pins, chalk line, measuring tape, anchor screws, drill and hammer.

INSTALLATION INSTRUCTIONS

- Ensuring that the under soffit is clean, set out using chalk line markings at 1200 mm x 600 mm rectangles. Make additional markings 300 mm away from the shorter edges and 300 mm away from the longer edges.
- Place pins on both points of intersection.
- Through the base plate's holes, mark 2 points for each pin.
- Drill 45 mm deep holes (at anchor screw depth) on the marked points.

- Remove adhesive cover on the back on the pins and attach to the soffit, aligning the pin holes to the 2x drilled holes on the soffit.
- Push in the anchor screws through the pin holes into the drilled holes. Use a hammer to secure the pins to the soffit.
- Impale the 1200 mm x 600 mm x 50 mm Energylite® batts with the secured pins, and gently lock the pins with the washers, ensuring that the insulation batts are not compressed by the pressure applied.
- Apply tape (that matches the batt facing) onto the joints of the batts.

ARCHITECTURAL SPECIFICATION

Install 60 mm long Isover Insulation Pins on the raised floor/under soffit with anchor screws. Impale 50 mm Energylite® with thermal resistance of 1.56 m².K/W on the pin and lock in with the supplied washers.

