



Revolutionising SIPS technology installation

Technology Overview

Structural Insulated Panels – SIPS - are an advanced method of construction, offering superior insulation, structural strength and air-tightness over traditional construction methods or systems. SIPS are used in floors, walls and roofs for residential, industrial, educational and commercial applications, providing ecologically friendly and energy efficient buildings.

SIP technology has been developed around composite (or sandwich) panel techniques, creating a product with excellent structural and thermal characteristics. SIPS consist of two parallel faces - usually Oriented Strand Board, sandwiching a rigid core of Polyurethane (PU) foam or Expanded Polystyrene (EPS), making them lightweight, quick to erect and free from problems of compression shrinkage and cold bridging associated with other forms of construction. Other variations of facing materials and cores exist, but these are the most common in the UK.

HECO Solution

Our Heco Multi-Monti Timber Connect is the perfect solution for SIPS construction based on its high pull out and pull through strength due to the combination thread. Couple this with high bending and embedment strength, high shear strength – therefore a lower number of fasteners required per metre run, and you have highly engineered and efficient solution.

Multi-Monti Timber Connect can be countersunk into wood so one fastener length can be used for a range of soleplate thicknesses. Strength of connection is not affected by the thickness of timber being secured and the result is an invisible fixing, where the fastener head sits below the surface of wood and eliminates clash or tolerance issues when the SIPS panels are fitted on top.



Client Testimonial

We have many customers in the SIPS sector and are proud to be Members of the UK SIP Association. This is what one of our SIPS customers thinks of our product:



'We use a range of Heco fixings in our SIPS buildings. Heco fixings permit increased speed of installation on the basis of the advanced thread technology and enable us not only superb fixing strength but also give us the technical back-up that we require. The supply service provided by Aptus is first class.' Nigel Palmer – SIPS UK