

All components are recyclable,
CE Marked or BBA Certified.

psi-FAST

Psi-FAST takes all the advantages of i-FAST such as inherent fire resistance, acoustic insulation and structural capacity with an enhanced capability to deliver thermal performance through reduced thermal bridging.

It also offers the structural capability to incorporate higher levels of Pre-Manufactured Value (PMV) elements such as factory-fitted vapour control, windows and cladding.

psi



psi

Used in thermal modelling to describe the heat lost through thermal bridging. Psi-values describe the heat lost through linear junctions or features such as steels, window jambs, corners or eaves.

F



Fire

A1 rated (non-combustible) board and insulation for fire safety according to the Euroclass fire safety rating system and surface spread of flame rating class 0 for fire propagation.

T



Thermal

By completely separating the loadbearing studs from the cladding support studs with a thick layer of insulation, the panel can provide an overall combined heat loss rate of 0.15 W/m²·K to be compliant with DfE Spec21 standard as a combination of U-values and psi-values.

A



Acoustic

The sound transmission rating for a standard panel configuration is RW 56 dB. This can be further upgraded to RW 60-62 dB with an additional gypsum layer on one or both sides. When used as an external panel behind brick cladding the performance will exceed RW 70 dB.

S



Structure

The 384mm thick closed panel construction is available in large-format panels manufactured up to 3.6x8m. The inner layer of framing transfers vertical floor and roof loads, and the outer layer provides additional racking and restraint to the cladding with a central core of insulation to reduce thermal bridging. The extra-thick panel provides an ideal chassis to mount pre-fitted ancillary items such as windows, brick slips or rain-screen cladding which increases the Pre-Manufactured Value.