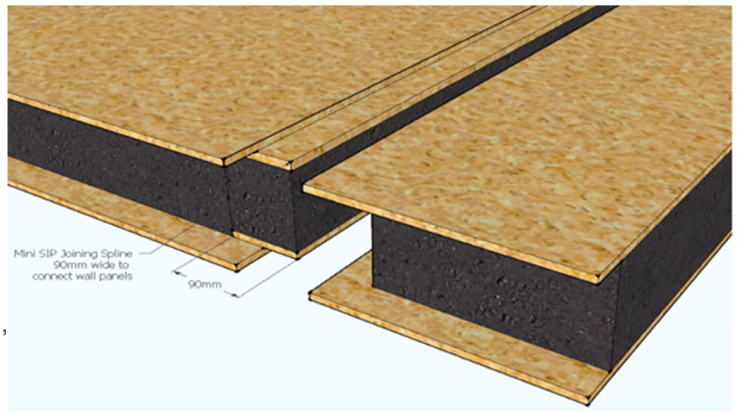
SipsEcoPanels

Product Data Sheet

OSB3-EPS Panels

LESS THERMAL BRIDGING

(Right) Illustration shows the typical panel joining detail with a SIP spline.Unlike conventional timber frame construction which has repeating timber studs the Sips Eco Panels open panel system uses mini SIP splines to join panels together. It is possible to have a long run of panels joined with this method giving continuous insulation in the wall which compared to a closed panel system or timber frame, significantly reduces cold bridging.



IMPROVED AIR TIGHTNESS

Due to the inherently air-tight way that SIP buildings are constructed, structural insulated panel builds typically have lower air pressure results, meaning it's easier to achieve the required SAP rating for your EPC (Energy Performance Certificate)

PANEL FACINGS

The Residential SIPs panel comprises of BBA Approved 11mm Internal and External Oriented Strand Board (OSB) grade 3 facings. OSB/3 has a thermal conductivity value λ of 0.013 W/m K. Manufactured to specification EN 13986 and EN 300:2006, OSB/3 comprises of strands of softwood bonded together using a formaldehyde free synthetic resin. The OSB boards are responsibly sourced and comply to FSC and PEFC chain of custody requirements. Further information and Certification can be obtained on request through Eurosips.

JOINTING

Materials used to join panels should be selected to meet the structural requirements of the construction and be approved by the projects' Structural Engineer. Standard SIP panel splines provide low air leakage and enhance thermal performance. Solid timber splines should be responsibly sourced and the suppliers must provide evidence of its sustainability credentials through FSC / PEFC certification.

GUARANTEES & WARRANTIES

Warranties for SIPs construction are available from companies that offer warranty schemes and the majority of lenders are able to offer mortgages on SIPs houses.

PACKAGING

Sips Eco Panels are stacked horizontally and the pack is wrapped in polythene. The number of panels in each pack depends on panel length and weight.Typical pack height is 1100mm

Thickness: (mm)	119	149	169	194	219
No. Panel / Pack (max)	10	8	7	6	5

DELIVERY

All deliveries (unless indicated otherwise) are by road transport to project sites. Off loading is the responsibility of the client.

SITE PROCEDURES

Site assembly instructions are available from Sips Eco Panels Systems Limited.

LUCIDEON insight creating advantage

STRUCTURAL TIMBER ASSOCIATION Building solutions in timber

Exova Testing, calibrating, advising

premier guarantee

STA ASSUREGOLD

PEFC PEFC/16-37-84

LABC

SITE SAFE

CE

Exova Warringtonfire

atg SIP MARK ISO 9001:2008 ISO 14001:2004

NHBC

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