



SBUK GROUP

SIP • FRAME • CLAD • MET
SUSTAINABLE BUILDING SYSTEMS



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK





Structural Insulated Panels - SIPs

SIP Build UK (SBUK) are the country's leading (Award Winning) SIPs contractor.

Designing, Manufacturing and Installing SIP structures by being Reliable, Innovative and striving for the Highest Quality.

Based in West Yorkshire, working Nationwide and undertaking the technically challenging jobs few can do. We deliver an offsite Modern Method of Construction that speeds up the build programme and reduces errors on site.



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Why use an accredited System:

BBA Certified panel

STA Gold Assure SIP Provider

NBS Specification

Pre calculated PSI Values

Standard Details

NHBC – BPL – Premier Warranties approved

LABC Registered

Council of Mortgage Lenders Approval (CML)



SIP Building Systems Ltd
 Unit 2, Express Way Industrial Estate
 Turnell Road
 Ditton
 Widnes,
 Cheshire WA8 8EB
 Tel: 0151 420 1404 Fax: 0151 420 1407
 email: sales@sipbuildingystems.co.uk
 website: www.sipbuildingystems.co.uk



Agreement Certificate
06/4312
 Product Sheet 1

SIP BUILDING SYSTEMS
SIP LOADBEARING WALL AND ROOF PANELS

This Agreement Certificate Product Sheet⁽¹⁾ relates to SIP loadbearing Wall and Roof Panels, structural insulated panels for use above the damp-proof course in domestic applications up to two storeys high (plus room-in-roof) as the loadbearing inner leaf of an external cavity wall or as part of separating walls, internal loadbearing walls and pitched roofs.



(1) Hereinafter referred to as 'Certificate'.

- CERTIFICATION INCLUDES:**
- factors relating to compliance with Building Regulations where applicable
 - factors relating to additional nonregulatory information where applicable
 - independently verified technical specification
 - assessment criteria and technical investigations
 - design considerations
 - installation guidance
 - regular surveillance of production
 - formal three-yearly review

KEY FACTORS ASSESSED

- Strength and stability** — the wall and roof panels will have adequate strength and stiffness when used in accordance with the provisions of this Certificate (see section 6)
- Thermal performance** — walls and roofs constructed from the panels can achieve U values specified in the national Building Regulations (see section 7)
- Air permeability** — dwellings incorporating the panels can achieve adequate air barrier continuity provided there is effective sealing around junctions, openings and penetrations (see section 8)
- Behaviour in relation to fire** — with adequate protection, panels used in external walls and separating walls will meet the required fire resistance periods given in the relevant national Building Regulations (see section 10)
- Resistance to airborne sound** — test data indicates that separating walls constructed from the panels can provide satisfactory resistance to airborne sound transmission when used in conjunction with suitable flanking elements (see section 12)
- Durability** — provided the installation remains wear-tight, a life of at least 60 years may be expected (see section 15)

The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of First issue: 6 September 2013
 Originally confirmed on 20 April 2006

Brian Chamberlain
 Brian Chamberlain
 Head of Approvals — Engineering

Claire Curtis-Thomas
 Claire Curtis-Thomas
 Chief Executive

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bba.org.uk

Beneficiaries are advised to check the validity and business number of this Agreement Certificate by either referring to the BBA website or contacting the BBA direct.

British Board of Agrément tel: 01923 665300
 Bucknalls Lane fax: 01923 665301
 Watford email: marketing@bba.org.uk
 Hemel Hempstead, Herts HP22 5PB website: www.bba.org.uk
 ©2013



SBUK GROUP | Sustainable Building Systems
 SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



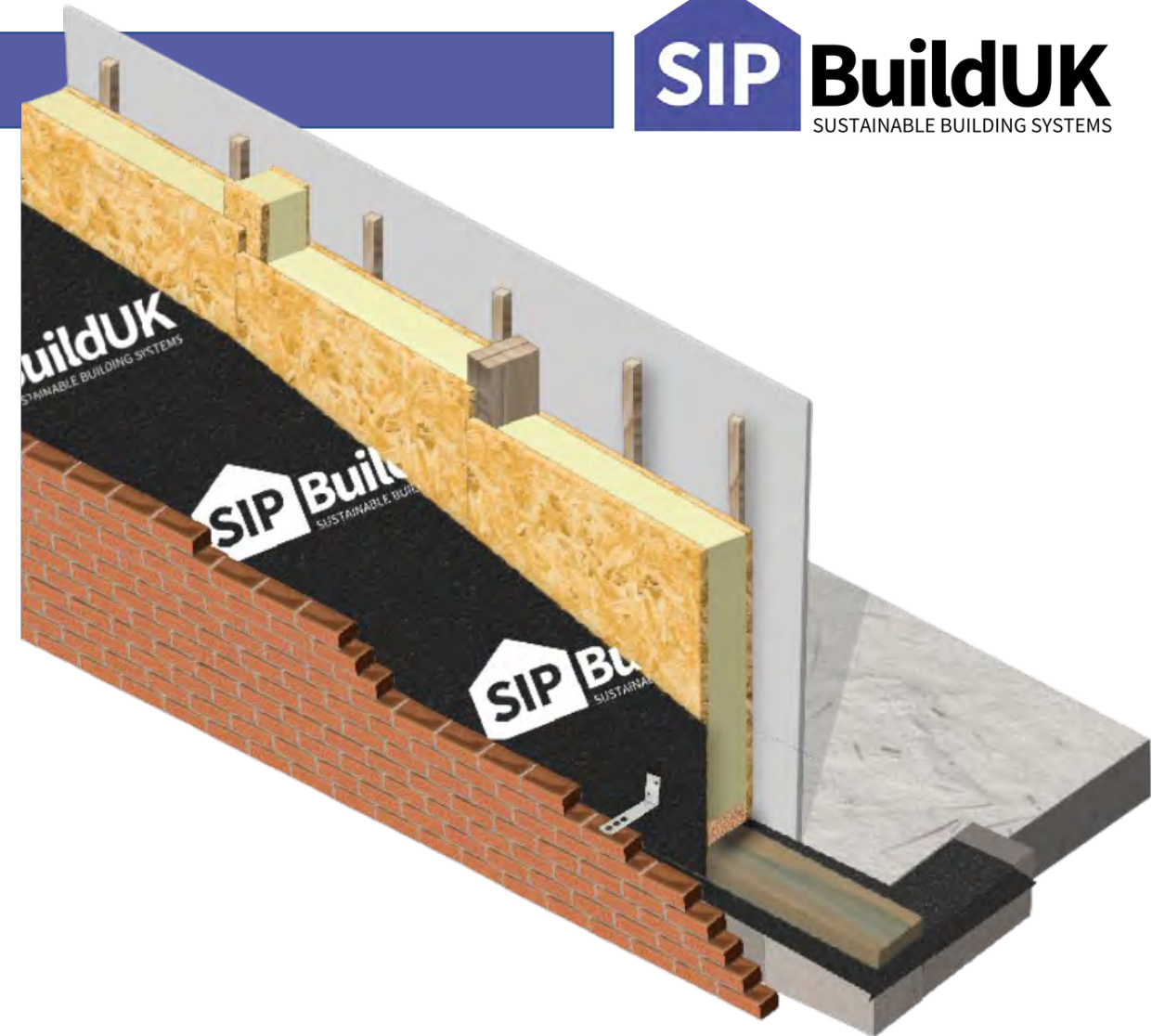
What are SIPs (Structurally Insulated Panels)

Structural insulated panels (**SIPs**) are a high performance building system for residential and commercial construction.

The panels consist of an insulating foam core sandwiched between two structural facings, typically oriented strand board (OSB). **SIPs** are manufactured under factory controlled conditions.

Advantages include:

- Very strong
- Thermally efficient
- Air tight
- Lightweight
- Precision Engineered
- Incredible Speed of Erection
- Dimensionally Stable
- Predictable



Introducing SIP Build UK

Predictability - Fast Track Build Program

- Predictable Cost
- Predictable Build time
- Offsite Factory manufacturing allows very accurate results
- Weather tight structure installed quickly
- Follow on trades start sooner - internally and externally



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Thinner Wall Build ups

- Thinner construction means increased floor space
- Provides more room / more rent!
- Maximise use of space on tight building sites
- Provide more design flexibility
- On large sites more units can be created
- Section shown 243mm vs 413mm SFS section



Introducing SIP Build UK - Accreditations



Difficult Access Sites

- Offsite construction completes projects on tight sites quickly
- Use of Hiab Wagons, Telehandlers, Mobile & Tower Cranes
- Different Vehicles for access to smaller sites
- Utilise difficult shaped sites for maximum occupation
- Panels & Floors designed to make manual handling easier
- Daily disruption to Neighbours reduced by lower delivery numbers



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK





Send in Drawings

(floor plans and elevations)

Receive estimate

Review with our team and look at all options provided

Finalise Estimate

Approval

Pre-Start Meetings

- Delivery arrangements
- Site storage
- Welfare requirements
- Scaffolding requirements

Manufacture

- Production of SIP panels
- Internal Walls and Floors

Design

- Structural Engineering – Line and Point Loads
- Preliminary Design for dimensional sign off

Installation

Introducing SIP Build UK – Customer Segment Self Build



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Introducing SIP Build UK – Customer Segment Residential Housing



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Introducing SIP Build UK – Customer Segment Education



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Introducing SIP Build UK – Customer Segment Commercial



SBUK GROUP | Sustainable Building Systems
 SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Projects | Customer Segment Airspace



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



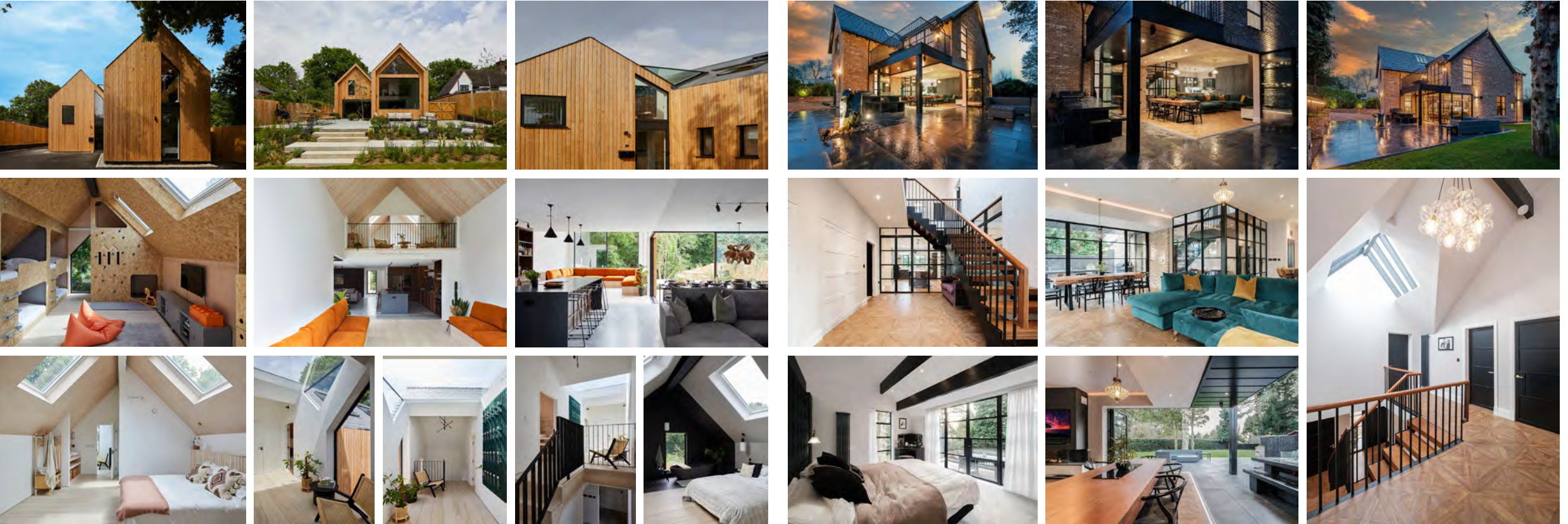
Introducing SIP Build UK – Customer Segment Cladding



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



Introducing SIP Build UK – Self Builds | Project Photo Gallery



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK



SBUK Group– Case Studies (click on the image to view)



Hartlepool | SIP Self Build Project



Hampsthwaite | SIP Self Build Project



Wolfeaton Lodge | SIP Self Build Project



Harrogate PTC | SIP Commercial Project



Bamber Bridge | SIP Affordable Housing Project



Hertford | Waterford Wick Net Zero Carbon Homes



Millbrook Park | Private Housing & Apartments



Hull | Hugh Webster Place Affordable Housing



Nottingham Rad Building | SIP Cladding Project



Derbyshire Longhouse | SIP Passive House Project



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK





SBUK GROUP

SIP • FRAME • CLAD • MET
SUSTAINABLE BUILDING SYSTEMS



Sustainable construction aims to use renewable and recyclable materials when building new structures and reducing energy consumption and waste. **The primary goal of a sustainable building is to reduce the industry's impact on the environment.**

Ready to take the next step?

Give us a call on 01977 520 902 or email your plans along with elevations to info@sipbuilduk.co.uk



SBUK GROUP | Sustainable Building Systems
SIP Build UK FRAME Build UK CLAD Build UK MET Build UK

