



# Thru-Wall

Guaranteed SIPS System

Are you ready for  
the **revolution?**

**THE FULLY GUARANTEED SIPS SOLUTION**  
Single source, 20-year latent defect insurance cover



## Revolutionising how we think about construction

**Up to five times faster than traditional construction methods, Thru-Wall offers a unique, modular, fast-track, lightweight, sustainable and cost-effective means of constructing the building envelope. Complete with a full, latent defect 20-year SIPS/external finish insurance cover - the only combined cover available in the UK.**

Combining the core values of the Egan Report with the commercial demands for more sustainable, economical, higher quality, fast-track buildings, Thru-Wall provides the first, and to date, the only fully warranted 20-year latent defect insurance cover, including design, manufacture, product performance and installation.

Thru-Wall is a collaboration between leading building envelope specialists Lakesmere and Hemsec Installations, innovators in modular Structural Insulated Panel technology.

### **Design, manufacture and installation**

When introduced at the earliest stage of a project, Lakesmere's 50-strong design team combines seamlessly with the manufacturing and installation expertise of Hemsec Installations to guide you through the wide ranging challenges involved in designing innovative, sustainable structural insulated panel envelopes to meet client and regulatory demands, providing you with a single-source solution to the total building envelope.

### **External finishes**

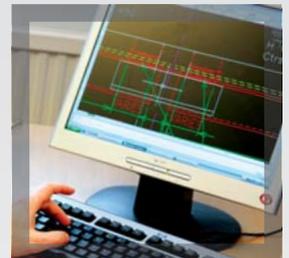
Where required, Thru-Wall can provide advice on and install, either in the factory or on-site, all external finishes ranging from rainscreen to specialist renders.

### **Benefits**

SIPS off-site manufacture offers significant cost and programme benefits to the client, safety and buildability benefits to the

contractor and significant benefits to the environment, whilst meeting the principal findings of the Egan Report.

However Thru-Wall panel technology is about more than simply 'Modern Methods of Construction.' Thru-Wall is designed to offer the client the benefits of a comprehensive design service providing the most cost-effective solution whilst ensuring that every aspect of the project is considered prior to commencement on site. And by partnering only with leading product manufacturers and undertaking installation using our own experienced site operatives we can offer a complete through wall 20-year insurance cover for every aspect of the build process.



**Thru-Wall is a joint collaboration from Hemsec Installations and Lakesmere**

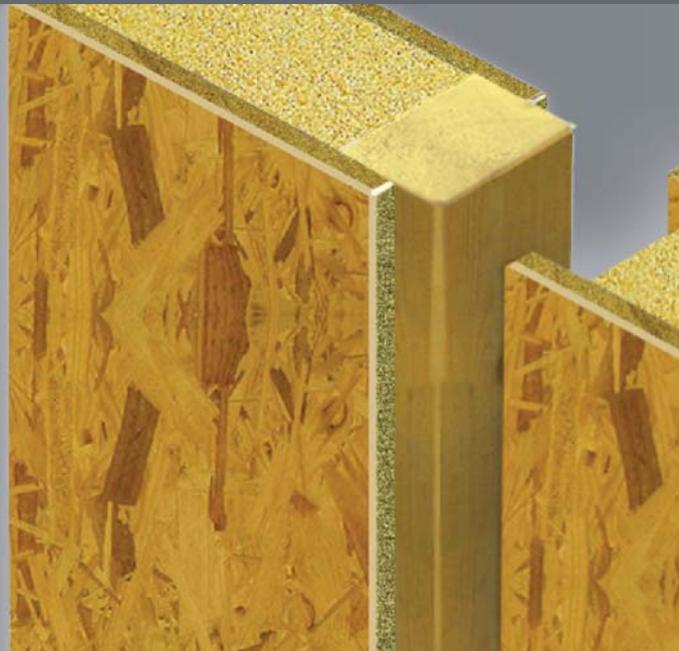


### Structural Insulated Panel Systems (SIPS)

Ideal for the UK climate, SIPS consist of two parallel faces of OSB, sandwiching a rigid core of modified poly-foam. Structural insulate panels display absolutely consistent density properties, making them lightweight, quick to erect and free from the problems of compression shrinkage and cold bridging associated with other forms of construction.

Thru-Wall insulated panels are manufactured from the highest quality material using state-of-the-art production equipment to rigorous quality control standards, complying with ISO 9000 Standard, ensuring long-term reliability and service life.

For more information regarding SIPS please visit:  
[www.thru-wall.com](http://www.thru-wall.com)



### Focused on the environment

Sustainability is one of the most pressing issues affecting the UK construction industry and the use of sustainable materials and innovative methods of building are key elements in the drive to provide truly sustainable solutions for current and future generations.

Thru-Wall is an innovative product that is as focused on the environment as it is on performance and is proud to have achieved a BRE 'A' Rating in the Green Guide Specification.

For the full story please visit:  
[www.thru-wall.com](http://www.thru-wall.com)

### Insurance backed cover

Thru-Wall is the only organisation to offer 20-year latent defect insurance cover on the total system including design, product performance, manufacture and installation

To find out more please visit:  
[www.thru-wall.com](http://www.thru-wall.com)

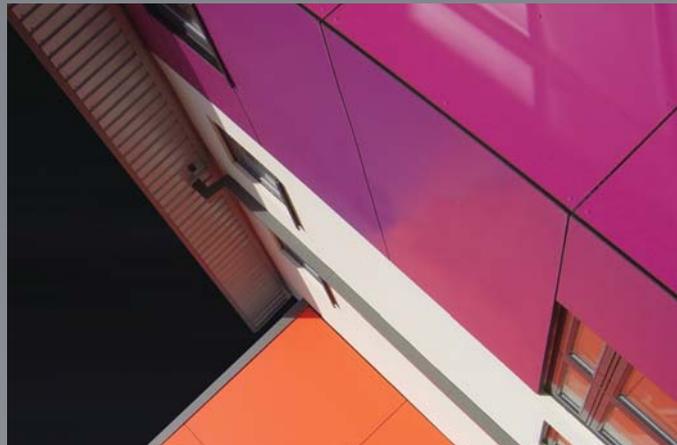


## Thru-Wall | Applications

Ideal for a range of commercial projects, SIPS have been successfully incorporated into schools, hotels and leisure facilities, commercial buildings and high rise social housing applications for some of the UK's leading main contractors, architects and direct clients.

From the earliest stage our highly skilled designers will provide a value-engineered solution to meet the building performance specification without compromise to the aesthetic requirements of the project.

Our highly trained project managers, engineers and site operatives will undertake the installation to the highest standards of construction with careful adherence to all health and safety and legislative requirements whilst completing the project to schedule and cost.



### Chellow Heights Primary School

Client: *Bradford MDC*

Architect: *Race Cottam*

Build Method: *Full SIPS structure into steel frame. In addition to the installation of large span SIPS roof and wall panels, a range of external finishes were site applied including Trespa cladding, Samafil single-ply roofing, standing seam and insulated render.*



### Renaissance Marriot Hotel, St Pancras

Client: *Galliford Try*

Architect: *RHWL*

Build Method: *Off-site manufacture of 2.7m structural insulated panels, providing a similar thermal mass to larger lightweight block. Cut and routed to form mansard, feature and stair panels incorporating window openings, the panels were factory finished externally with traditional rolled zinc to complement St Pancras Station, with all windows and trims factory installed.*



### Saxton Street, Leeds (‘Drive’ & ‘Parade’ city centre apartments)

Client: *Urban Splash*

Architect: *Union North*

Build Method: *Full SIPS structure fixed between concrete floors onto which an external finish of either re-constituted stone panels or laminated Trespa type cladding was installed.*

Visit the Thru-Wall website for more case studies: [www.thru-wall.com](http://www.thru-wall.com)

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The fully guaranteed SIPS Solution | Single source, 20-year latent defect insurance cover