



Do you want to keep your house warm and reduce energy bills?

If you like the sound of this, external wall insulation (EWI) is the answer.

This system will keep your house warm in the winter, lower your carbon foot print as well as reducing your energy bills significantly over the year.

EWI systems can also be referred to as solid wall insulation, which consists of a high performance insulation which is fitted to the external walls of your property then covered with specialist render cladding systems of your choice to provide a durable and attractive finish.

This type of insulation is particularly suited to solid wall homes but we can also provide advice on non-traditional construction properties.



What is the Green Homes Grant?

The Green Homes Grant is a new government scheme, launched by the Chancellor Rishi Sunak in England.

Homeowners and landlords will be able to apply for vouchers to make their homes more energy efficient and create local jobs.

The new £2 billion Green Recovery Scheme will see the government fund up to two-thirds of the cost of the improvements.

Some 600,000 households across England are expected to participate in the scheme that is designed to save hundreds of pounds on their energy bills. Homeowners will be able to use the money on loft, wall and floor insulation, eco friendly boilers, heat pumps, double or triple glazed windows, low energy lighting and energy efficient doors.

Online applications now open!
Please visit Energy Advice website

www.simpleenergyadvice.org.uk/pages/green-homes-grant

to check what energy efficiency or low carbon heat improvements can be made to your home.

About SPSEnvirowall

SPSEnvirowall is participating in the Green Recovery programme by leading the way in the supply of external wall insulation systems and high-quality decorative renders to the building and construction industry.

Suitable for both low rise and high rise buildings our extensive range of innovative insulation systems are perfect for a decorative uplift to old buildings, or new build applications.

Our products, which have been rigorously tested by the BBA, have been used throughout the UK and continental Europe for over 30 years and greatly improve the thermal efficiency of any building and helps cut CO2 emissions.

Our partnership approach is to assist you from the specification process right through to contractor selection, product application and completion of the works.

We'll make sure that the products not only suit their purpose but also provide the best possible value for your project. We will also assist with the selection of experienced and approved contractors, monitoring their work and ensuring that the application of our products are undertaken to the highest standard.

Once the job has been approved and completed by an accredited installer, the voucher will be issued. Under the new initiative set by Government, there will be strict accreditation rules meaning builders, plumbers and other tradespeople must register for TrustMark accreditation to provide their services for the installation of the energy saving measures.

Householders will be able to choose from tradespeople in their areas to carry out the work but only approved and accredited installers will be able to be commissioned, ensuring high standards and consumer protection

To find a local tradesperson go to
www.simpleenergyadvice.org.uk/pages/green-homes-grant



What is EWI?

External wall insulation has been used in the UK since the early eighties and in continental Europe much longer than this. It places insulation where it provides the most benefit in protecting the building structure from moisture and extremes of temperature.

It provides:

Thermal Performance - Our insulated systems, easily achieves high levels of thermal performance through the wall.

Protection - Provides weather and thermal protection to the structure of the building.

Exposure - High levels of weather protection. No limit to its degree of exposure in the UK. Suitable for high elevations and coastal sites.

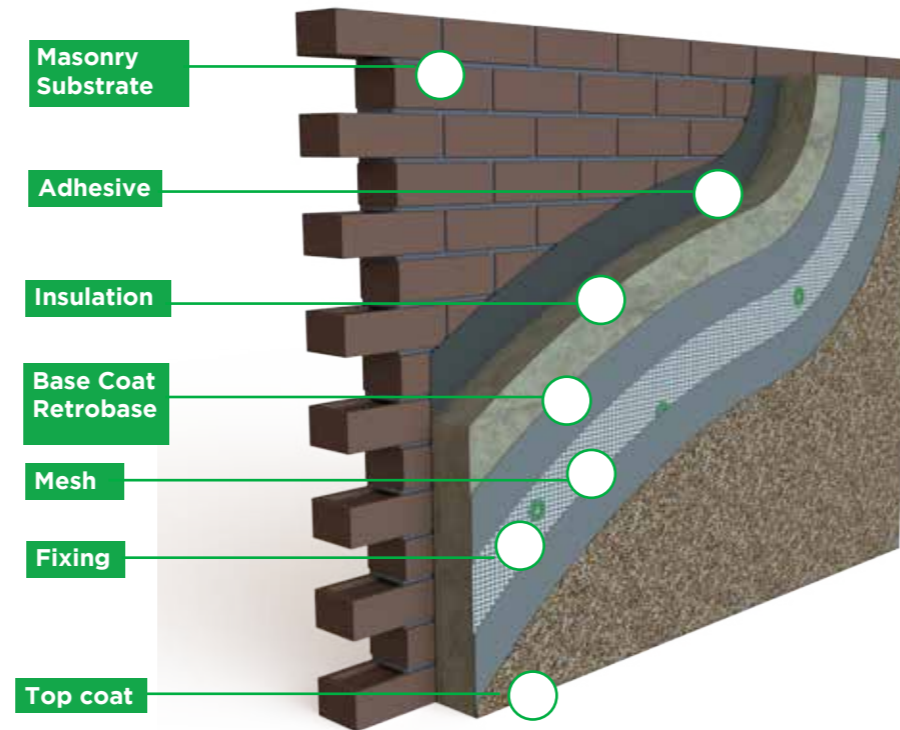
Finishes - A vast range of coloured renders, dash aggregates and brick finishes

Certification - BBA approval & ETA Certification.

Versatile - Application to any wall type.

Durable - Design life up to 60 years.

SPS envirowall's Wall System 2



Insulation Types

Expanded Polystyrene

- 20mm - 300mm thickness
- Age cured fire-retarded polystyrene
- Lambda 0.032 - 0.038w/mK
- Excellent value
- User friendly
- BREEAM Rating A+

Mineral Wool

- DD Slab 30mm - 200mm
- Façade lamella 30mm - 200+ mm
- High density and compressive strength mineral wool
- Lambda 0.036 - 0.040w/mK
- Non-combustible
- Environmentally friendly
- Thermo-dimensionally stable
- Façade lamella - no requirement for mechanical fixings

Phenolic

- 20mm - 120mm thickness
- CFC & HCFC free
- Lambda 0.021 - 0.024W/mK
- Excellent thermal performance
- Good fire performance



Textured Finishes

Acrylic, Silicone and Granomin textured thin coat finishes.

The Acrylic and Silicone thin coat finishes are through colour, pre-mixed and ready to use organic resin renders which are applied as a decorative final coating. Both renders are used to provide a low maintenance, attractive contemporary finish and are highly water repellent.

The flexibility and ease of application of both the Acrylic and Silicone render finishes, allows for large areas of the facade to be applied, thus matching the demand to complete large volumes of housing schemes within the programme schedule. The render provides an anti-crack finish, ideal for the use on high-rise flats, terraces, solid wall and system built house types.

EnviroSil - Silicone Finish

A highly water repellent through colour textured finish allowing the façade to maintain its cleanliness, via the natural cleaning process which occurs during rainfall.

The EnviroSil top coat finish contains a safe level of anti-fungicide sufficient to resist the growth of most U.K fungi and algae, thus making the finish remain cleaner for longer periods of time.

EnviroSil is highly vapour permeable making it ideal to use as a finish with all types of insulation, especially Mineral Wool as this allows the system to breathe, reducing the risk of condensation.

Rot resistant, non-swelling, low stress, environmentally friendly, low odour, very high resistance to environment pollutants and micro-organisms and also UV-stable.

EnviroCryl - Acrylic Finish

A water repellent through colour textured finish offering a low maintenance finish which is waterproof according to VOB, part C, DIN 18363.

The EnviroCryl also contains the same safe level of anti-fungicide as the EnviroSil finish, meaning they both have self-cleaning characteristics.

Resistant to atmospheric influences, very high resistance to environmental pollutants and micro-organisms, and also UV-stable.

An extended range of colour options are available in the EnviroCryl range, enabling deeper colours to be manufactured due to its molecular structure, giving it the ability to retain high pigmented colours.



Textured Finishes

Dry Aggregate Dash

Dry Dashing is an attractive and traditional render which is used to provide a low maintenance and a high impact resistant finish. Dry aggregate dash systems are a cost effective and provide a robust finish. A large selection of complimentary dash receiver colours are available creating the background element of the system.

Benefits

- Robust and high impact resistant
- Natural aggregate
- Low maintenance
- Improved water shedding properties

Certification

BBA approved
ISO 9002 approved
Conform to BS5262 Type 111

Granomin topcoat system with Nanosil self-cleaning equalising paint finish

The granomin topcoat system comprises of a multi-coat process resulting in an extremely high water-repellent finish using nanosil technology.

The granomin product comes in a bagged powder format including the 2mm grain which is mixed on site with clean water and subsequently applied by the same technique as the pre-mixed envirosil and envirocyl products. Once painted with the nanosil coating it has the appearance of the 1.5mm grain size similar to the acrylic and silicone finishes.



Brick Finishes

Many of the UK's Towns, Villages and Cities have a tradition of brick finished housing. At SPSenvirowall, we are keen to keep that tradition alive. Both the surrounding architecture and the planning requirements can be matched by our extensive range of brick finished systems. Whether it be hi-rise, terraced houses or timber frame we have a brick finish to suit the application and in many instances we can provide a colour matching product range.

Envirobrick

Envirobrick is an attractive brick effect render, consisting of a cement-based through colour render, requiring only the addition of water. It provides the specifier with the ability to create brick effect finishes where traditional brick slips could not be used, such as system built panelled properties where the scale was not originally set out for brick dimensions. The system can be adapted to help overcome these issues using its versatility and ability to be easily configured to fit the façade, turning a prefab into a home, within the required target of a budget.

The Benefits

- Fully tested BBA Approved
- Cost effective method for achieving a brick effect finish
- Crack resistant
- Fully weather resistant
- Large colour range

SpeedySlip

SpeedySlip provides the traditional appearance of a brick finished building but with technology of a lightweight acrylic brick slip finish. Developed over 25 years ago the system is an ideal finish for external wall insulation systems. SpeedySlip is ideally suited to high rise buildings where traditional brick slips would not be recommended.

Each slip is handmade from only the highest quality of raw materials, which ensures the traditional and natural appearance of a brick finish. It's lightweight and flexible compositions opens up the possibility of design and can be easily accommodated as a finish to external wall insulation. Each slip measures only 4-6mm thick and can easily be fixed to basecoat renders with adhesive.

The Benefits

- Lightweight system
- Cost effective compared to traditional brick slips
- Ideally suited for high rise applications
- Long life span and no maintenance costs



BrickStick

The BrickStick system offers the flexibility of a brickslip system with the traditional look, durability and feel of real brick work. Developed to complement the Envirowall Brick Finish package, BrickStick provides a slip system with added durability of real brick slips. The System can be designed to incorporate any type of brick work so allowing the new structure to be perfectly blended into its surroundings.

The Benefits

- Highly durable finish
- Quick and easy to apply
- Can easily accommodate any unevenness in the substrate
- High impact resistance
- Any brick type can be used



Testing and Certification

The SPSEnvirowall range of systems has had a successful track record in the UK and continental Europe for over 40 years. They have been used in some of the most exposed sites in Europe without any recorded failures. The systems have undergone a rigorous testing regime in both the UK and Germany with an expected life in excess of 50 years if properly maintained.

The SPSEnvirowall range of systems have been - rigorously tested to German standards. Germany is the largest market for external wall insulation with approximately 30 million square metres being installed annually. Therefore the range of testing facilities in Germany are far greater than that found in the UK.

The SPSEnvirowall range of systems has been assessed by the German Institute of Construction Engineering and has been approved as meeting all the requirements of the German Regional Building Regulations. The individual component parts to the systems have also been independently tested to the Relevant DIN Standard.

Guarantees

Materials Guarantee - 25 Year Guarantee

The SPSEnvirowall range of systems have had a successful track record in the UK and continental Europe for over 30 years. They have been used in some of the most exposed sites in Europe without any recorded failures. The systems have undergone a rigorous testing regime in both the UK and Germany with an expected life in excess of 50 years if properly maintained.

Despite this impressive track record our clients are often looking for additional peace of mind. For this reason we are willing to offer additional security with a range of warranty schemes.

Training & Service

SPSenvirowall has training facilities at all of their regional depots where one day training courses can be booked in advance. These courses consist of both a theory and practical elements. On completion of the course attendants are provided with an identification card indicating they have successfully completed the course. This is then followed up on site where inspections are made whilst carrying out works. Once the inspector is confident of the installer's ability he will issue him with a competent person's card.

Service

SPSenvirowall has depots distributed across the country. Here we are able to react to the local needs of our customers. You can collect materials or we can provide next day delivery utilising our own transport, giving a responsive service that is unmatched in the industry.

The depots are staffed by experienced personnel who can provide you advice on the products that they stock.

If more in-depth technical advice is needed we have an internal technical department that can help by providing project specific specifications, details, U-value and condensation calculations.

If it is on site assistance that you require we have a team of site support technicians that will help with application and detailing issues on site.



Environment

We promote the recycling of plastic, metal and packaging within our technical specification documents, all to encourage responsible behaviour regarding waste on site.

Regular discussions take place with our suppliers to reduce packaging and to implement new designs and features to create better efficiencies within the product range used on site.

As members of INCA and the NIA Associations we actively contribute to regular meetings and technical groups to encourage an Environmental focus within our market place.

All of our UK branch depots operate our Environmental policies regarding recycling waste and logistic efficiencies. We look at the efficiency of deliveries, either direct full load from suppliers or encouraging grouped deliveries.

We have an environmental policy and many other environmental documents ready for issuing to our clients and approved contractor base.

SPSenvirowall is committed to the important and worthwhile task of looking after our environment.





benx

the future of façades