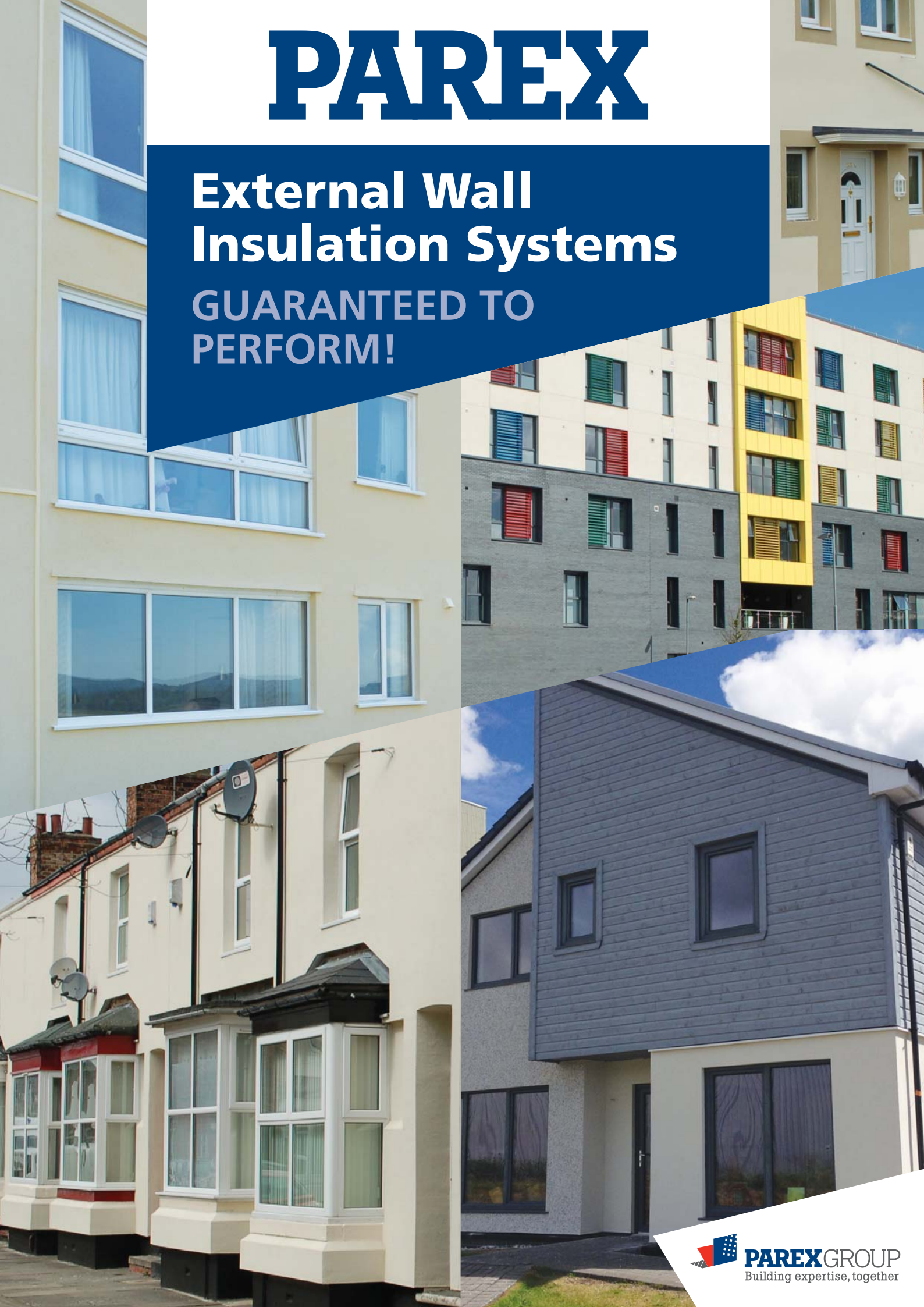


PAREX

External Wall Insulation Systems

GUARANTEED TO
PERFORM!



PAREX GROUP
Building expertise, together

PAREX

External Wall Insulation Systems



The wrap-around solution for warmer homes, lower bills

Soaring energy costs have brought the need for more effective insulation solutions sharply into focus.

Government initiatives including Green Deal & ECO provide assistance towards energy saving measures including external walls which are the single most significant source of wasted energy.

External walls are the key contributor to energy loss accounting for up to 45 per cent of heat loss from domestic properties. These walls are energy inefficient with expensive heat and energy literally disappearing through the walls into thin air!

Hard to treat properties comprising of narrow cavities and solid wall construction, typical of the pre and post-war years, and the more traditional standard cavities can easily be improved to provide thermal performance benefits.

Benefits of insulating your walls

PAREXTERNAL External Wall Insulation (EWI) systems, provide the cost-effective solution not only to significantly reduce heat loss through the external envelope, but also upgrading the appearance and appeal of the property.

Think of PAREXTERNAL EWI as wrapping the building in a nice warm blanket and providing an extra energy-efficient layer of insulation designed to prevent heat loss, create a warmer, more comfortable environment within the home, a better looking exterior and the added benefit of reduced energy costs.

Reduced energy use not only means lower fuel bills, but also a reduction in the carbon footprint of the home by reducing energy demand and cutting CO² emissions.

PAREXTERNAL EWI systems offer a selection of approved insulation materials with a choice of advanced render types and finishes to create 'new homes' that are efficient, look good and could increase property values.

In addition to the thermal gain that PAREXTERNAL systems achieve, the ever-present risks of condensation and mould growth are significantly reduced. A healthier building fabric, much improved living conditions and health benefits are all subsequent positive outcomes.





Energy-saving

Parex EWI Systems - Giving you CHOICE

Parex EWI Systems bring together the company's expertise in developing easy-to-apply, advanced renders combined with leading makes and types of high quality insulation to conserve energy and stem heat loss.

PAREX THERM Mineral, Dash and Acrylic render finishes display excellent properties, are resistant to impact, providing aesthetically-pleasing high performance finishes. Parex uses only the highest quality materials in its products which have been formulated to provide many years' maintenance-free life.

The finishes are through-coloured which means they don't need painting and are available in a broad choice of hues to match or complement the local vernacular.

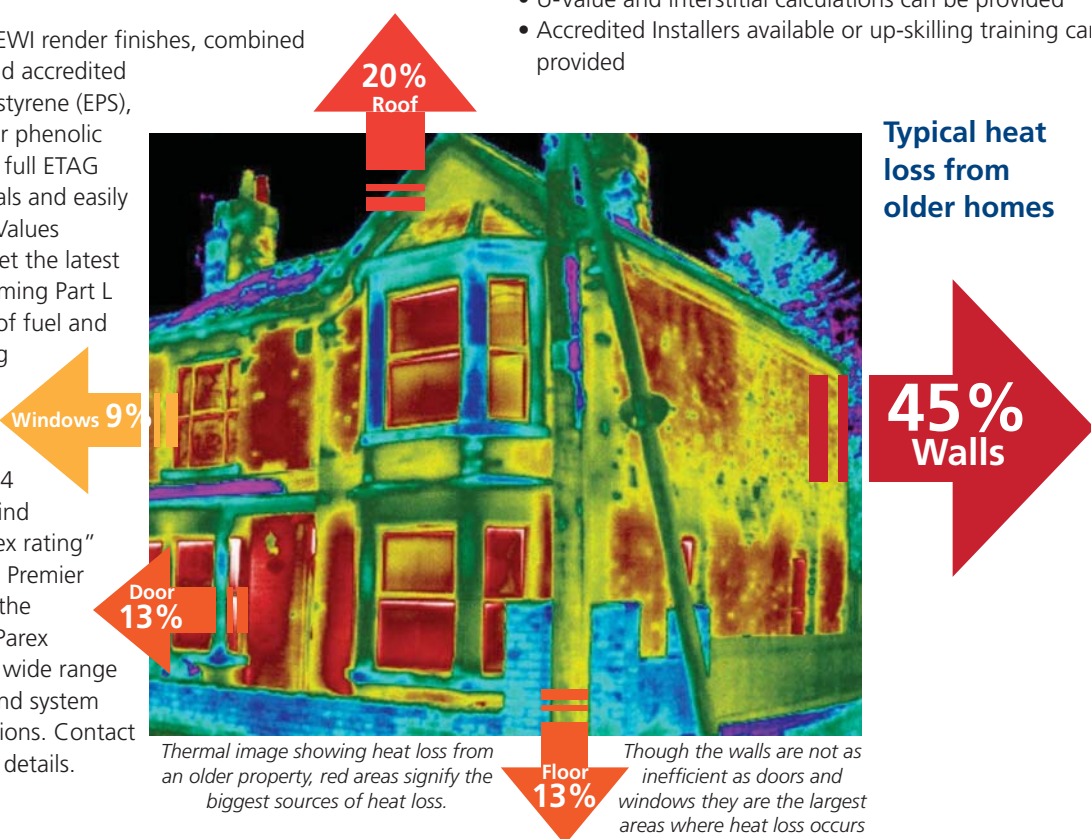
PAREX THERM Brick Slip systems, provide the benefits of using real bricks or our Advanced Masonry System to match the original façade and provide the thermal upgrade needed to meet the new standards.

PAREX THERM EWI render finishes, combined with proven and accredited expanded polystyrene (EPS), mineral wool or phenolic insulation hold full ETAG or BBA approvals and easily achieve the U-Values required to meet the latest and all forthcoming Part L (Conservation of fuel and power) Building Regulations.

Parex has achieved Zone 4 "very severe wind driven rain index rating" with LABC and Premier Guarantee for the application of Parex renders onto a wide range of substrates and system build constructions. Contact Parex for more details.

Benefits of PAREX THERM EWI Systems

- Green Deal & ECO compliant
- Green Deal Installer
- Systems hold BBA or European Approvals
- LABC Registered details, LABC Warranty Product Approval and Premier Guarantee Product Approval
- EWI system designer
- All render products produced by Parex
- Durable, robust and designed to last
- Insurance backed warranties available
- Applied externally, minimising disruption to the occupants
- Prolongs life of buildings, increases value
- Reduces energy consumption & lowers fuel bills
- Deals with cold bridging and eliminates thermal breaks within the structure
- Wide range of finishes and colours
- Vapour permeable
- Excellent weather protection with LABC and Premier Guarantee Zone 4 'Severe weather rating criteria'
- Excellent resistance to algae and fungi
- Cuts heat loss, reduces CO₂ emissions
- Meets or exceeds thermal regulations
- U-Value and interstitial calculations can be provided
- Accredited Installers available or up-skilling training can be provided



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External Wall Insulation Systems



PAREX sets the standard for offering the best combination of high performance insulation and quality finishing systems in the industry, providing the key to building upgrades designed to extend the lifetime of the structure.

PAREX THERM systems provide superior energy efficiency and a thermal performance that easily exceeds current and projected future regulations. With the broadest range of render finishes and textures, 48 standard colours and a bespoke colour range, we give you the freedom to make your property really special. Parex EWI really is the smart choice!

No two properties are the same but with Parex, the application onto a wide range of masonry, ICF, timber and steel frame substrates and structures is perfectly achievable. All PAREX THERM EWI system renders can be applied by hand or using a spray machine onto a range of different insulations dependent upon the thermal performance required. **Each system comprises of;**

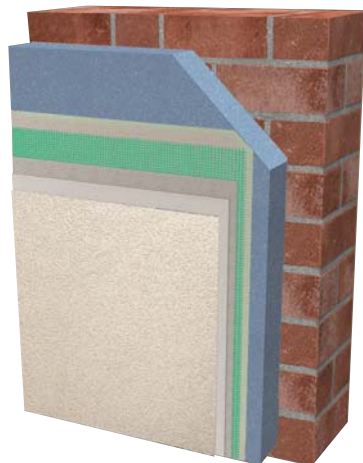
- High performance insulation adhesive
- Specialist EWI insulation - which may also require mechanical fixing
- Polymer modified, flexible base coat with an embedded mesh for tensile resistance

Thereafter the choice of finish is yours, Mineral, Acrylic, Dash or Brick...it couldn't be simpler!

PAREX THERM ACRYLIC Render Systems

Available in an extensive range of colours, finishes and textures which can be adapted to meet your expectations and design requirements. The high performance base coat technology with superior tensile and flexural capability, provides excellent impact resistance, which is designed to complement the PAREX THERM acrylic finish.

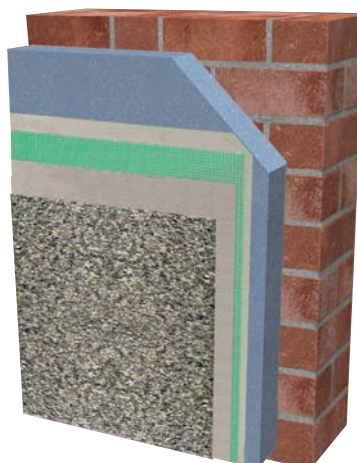
The system is highly adaptable and is also used when lightweight masonry brick effect is required.



acrylic finish

PAREX THERM Marbri Dash Render Systems

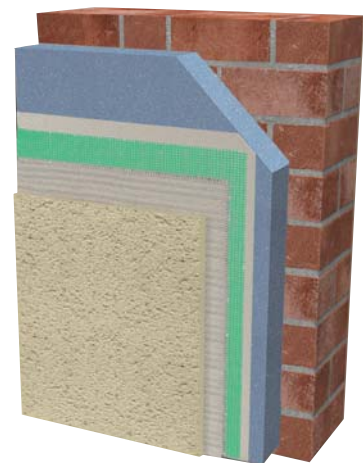
A single component product is used as an adhesive, base coat and dash receiver incorporating the Parex high performance base coat technology. With speed of application and a wide range of dash finishes to match the local surroundings, you will never be short of options.



dash finish

PAREX THERM Mineral Render Systems

A specially formulated mineral based render, with faster setting times, ideal for the UK climate where wet weather application performance is paramount. Providing a unique opportunity in flexibility of design, the finish retains the traditional appearance of a typical render facade, with the advantage of the polymer modified base coat technology. The system is available in a range of 48 standard colours, bespoke colour options and can be finished in a range of textures.



mineral finish

Need to create a brickwork finish and decorative features to match your existing home then contact Parex for further advice and information



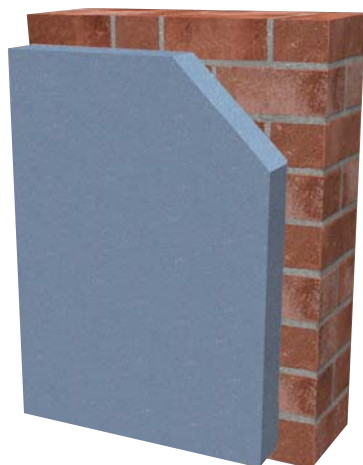
INSULATION TYPE - Key Features

For retro-fitting applications the Building Regulations give a minimum U Value of $0.30\text{W/m}^2\text{K}$. Domestic new build is currently $0.26\text{W/m}^2\text{K}$ with forth coming changes reducing this to $0.20\text{W/m}^2\text{K}$.

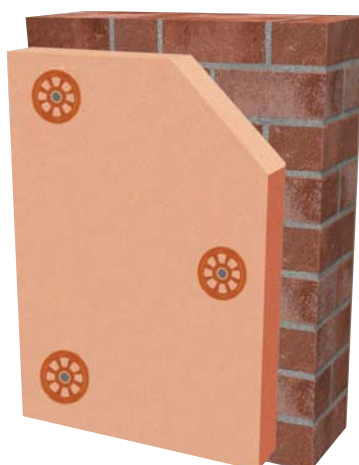
The U value is a measure of how quickly heat escapes through a structure to the outside and as a result, how much carbon is leaking through the walls too.

A U value is a measurement given to the thermal insulation qualities of a wall, floor or roof, where the lower the figure the better the thermal performance, leading to reduced energy bills, which also helps in reducing the use of precious resources.

Simply put, the thicker the insulation you can add to your building, the better the wall, floor or roof will perform and more energy is saved.



Graphite Expanded Polystyrene
EPS Insulation



Phenolic Insulation



Mineral Wool Insulation

The render has been removed for clarity. Mechanical fixings must also be used with Phenolic and Mineral Wool insulations due to the properties of the insulation.

Graphite Expanded Polystyrene EPS

- The primary insulation used in EWI applications
- Ideally suited for bonded only applications
- Highly resistant to moisture, maintaining its thermal performance at all times
- Detailing can be cut into the insulation. Cills, headers and other feature details can be easily created to replicate the original design and enhance the look of the structure

To meet the minimum retrofit Building Regulation requirement, the minimum insulation thickness generally required is 90mm

Phenolic Insulation

- Excellent thermal performance with the best thermal characteristics of all the insulations
- Ideally suited where space is at a minimum due to the reduced thickness of insulation required
- Bonded and mechanically fixed solutions only

To meet the minimum retrofit Building Regulation requirement, the minimum insulation thickness generally required is 60mm

Mineral Wool

- Excellent breathability due to the nature of the mineral wool.
- Fire resistant, non-combustible and classified to A1. ideal for multi-occupancy building and high rise structures
- Compared to the other insulations, mineral wool can provide better acoustic performance of the wall and may reduce the effect of external noise entering the building
- Bonded and mechanically fixed solutions only

To meet the minimum retrofit Building Regulation requirement, the minimum insulation thickness generally required is 110mm

PAREX

External Wall Insulation Systems



Helping to achieve energy efficiency standards

The energy efficiency initiatives and incentives available allow older, domestic and commercial properties to be upgraded at reduced costs or no initial cost to the owners, with a range of financial initiatives for improvements available. For new build construction the energy efficient measures are generally incorporated as part of the build programme.

PAREX THERM EWI Systems improve insulation and thermal efficiency to and significantly beyond the current required standards, providing a high performance and aesthetically pleasing finish.

As an INCA – Insulated Render & Cladding Association – Approved System Designer member, Parex is able to offer a flexible choice of solutions for insulation upgrades to a range of properties and construction types.

System Designer membership of INCA confirms that Parex meets the quality standards demanded under the European Guidelines for the applications of EWI.

PAREX THERM systems meet all the key criteria and requirements of the Government's Green Deal and ECO initiatives with the added benefit of insurance-based guarantees with the addition of Green Deal Installer status.

The PAREX THERM systems hold either the British Board of Agreement (BBA) or European Technical Approvals (ETA) which are necessary for compliance with the new thermal performance regulations. These accreditations also ensure that PAREX THERM systems meet the performance criteria required by Ofgem – the Office for Gas and Electricity Markets – necessary for the energy companies to provide funding for external insulation upgrades.



Full European
Technical Approvals

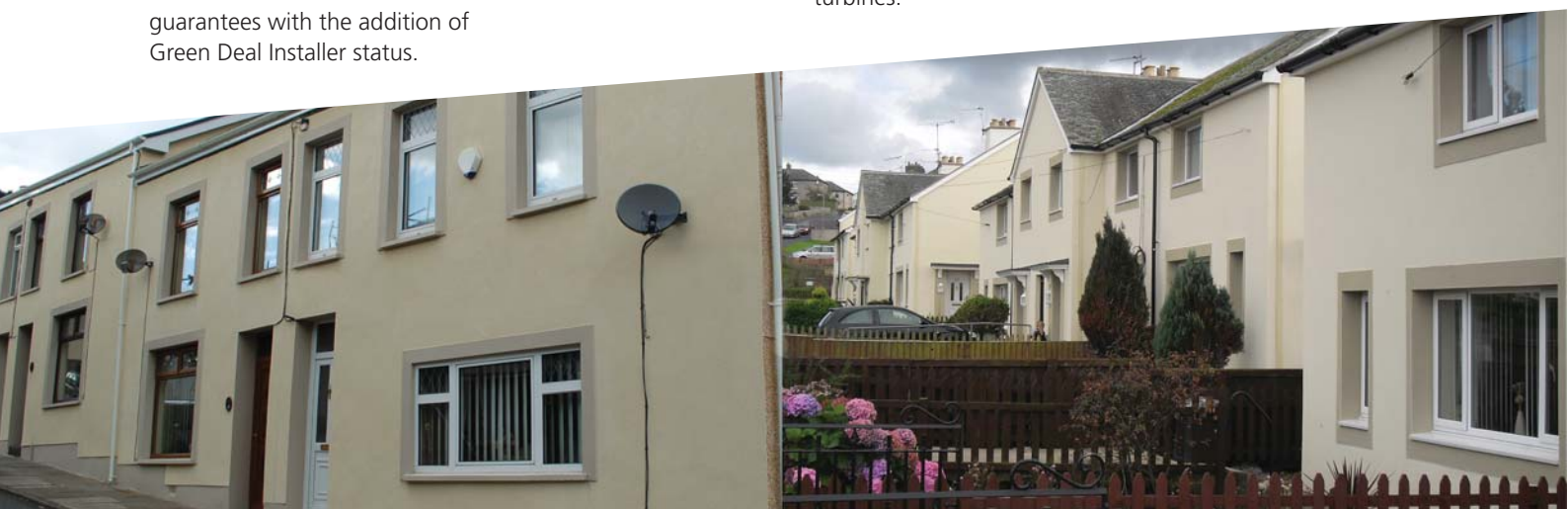


Approved
System Designer



Parex works with a number of funding partners who can help to obtain funding providers or major utility companies and can help to obtain funding support. Access to this facility and funding is dependent upon project size, scale and carbon saving. Parex does not take any element of this funding but can assist in facilitating the funding / offer arrangements.

The Green Deal and ECO initiatives also offer all-round support for energy saving through other measures such as improvements to heating, lighting, draught-proofing, double glazing and the use of solar panels or wind turbines.





Parex - a single source solution for TOTAL support

Parex provides total support for its PAREXTHERM EWI systems to local authorities, housing associations, contractors, applicators and property owners.

This extends to assistance with design and specification of specific installations to ensure a convenient local supply source for all products, including when required, on-site support and applicator training.

Supply network

Parex renders, the appropriate insulations and ancillary products are available from a nationwide network of specialist distributors. Accredited applicators can offer a Parex render system warranty on a project subject to adherence with and complying to the Parex procedures.

This ensures a continuous local source of supply, convenient for on-demand delivery or pick-up without the need for site storage.

Training

Correct installation is paramount to the effectiveness and longevity of all PAREXTHERM EWI Systems. Training applicators to meet the required standards is crucial.

Parex completes full independent accredited applicator company inspections, which includes assessing existing projects. Parex also has a full E-Learning training programme covering PAS2030, customer and installer care, health and safety, EWI and IWI application information, together with a range of applicator skills assessments covering both boarder and finisher, delivered via local colleges and training centres, to ensure that applicators have easy access to the correct training, knowledge and application processes of EWI systems.

Technical and back-up support

Parex offers dedicated local, technical and sales support personnel, together with a comprehensive applicator list, with the ability to up-skill applicators that are deemed suitable, with a properly accredited certificate in EWI skills. Parex also provides a full project support manual, covering specifications, application details, warranty sign off procedures and after care information for the property owners.

Comprehensive information on all our products and systems together with Practical and Technical Information Sheets information is easily accessible on our web site.

www.parex.co.uk



Full European
Technical Approvals



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