permarock PRODUCTS LTD

Experts in

External Wall Insulation & Render Systems

Outstanding products.
Outstanding technical support.

Specify us on:

NBS Source PARTNER

Available on bimstore.co

permarock.com



Introducing Permarock

40+ YEARS

With roots dating back to the 1970s, Permarock is Britain's longest-established UK-owned manufacturer and supplier of external wall insulation and render systems. We are part of the decarbonisation solutions-provider Sustainable Investments Limited, and we supply our systems throughout the UK.

Our external wall insulation systems can be designed to achieve extremely low U-values for new buildings and also to retrofit existing buildings to greatly improve thermal performance. They are suitable for all construction types and sectors – everything from low-rise social housing to highrise blocks; and from recladding schemes to new schools, hospitals, hotels and private residential schemes.

Importantly, our wide range of insulation systems, renders and finishes are backed by unrivalled technical support for the designer. Our expertise adds considerable value to clients' projects, ensuring that every system is specified to the highest standards and tailored to deliver maximum impact.

Why Permarock?

Key reasons to specify Permarock systems include:

- Exceptional technical support for designers
- An extensive range of systems and decorative effects
- Suitable for retrofit, remodel and new-build developments
- Compliance with relevant standards, backed by full 3rd party certification
- Proven track record and reliability, spanning five decades
- A comprehensive range of guarantees.
- 60 year assessed life can be achieved on our mineral fibre systems, subject to specification

Our systems enable designers to create innovative and energy-efficient buildings that are both visually pleasing and functional. They offer a rare combination of proven performance, aesthetic choice and access to truly outstanding technical expertise. As a result, they are widely specified; used for large-scale retrofit schemes, new-build Passivhaus developments and everything in between.

kiwa AGRÉMENT BAW-24-331-S-A-UK
kiwa AGRÉMENT BAW-24-332-S-A-UK
kiwa AGRÉMENT BAW-24-333-S-A-UK
kiwa AGRÉMENT BAW-25-403-S-A-UK

bsi. ISO 9001:2015 Quality Management — Cert No. FM13066
ISO 14001:2015 Environmental Management — Cert No. EM580356

Design & Technical Support

One of the most valuable benefits of specifying a Permarock system is the extensive, expert support that is supplied as standard. With over 40 years' experience in the construction industry, we proactively engage with project design and construction teams to propose ways of:

- Meeting project technical and aesthetic requirements
- Overcoming practical challenges
- Delivering schemes more effectively.

We offer significant technical support every step of the way, including advice on issues such as detailing, thermal characteristics, airtightness, fire safety and aesthetics. This helps to ensure that our systems deliver outstanding performance and a quality of finish that is unsurpassed.

More details can be found on the Permarock website **www.permarock.com** - or by calling our technical team on **01509 262 924**

Our support services include:

- Pre-installation visual surveys of properties
- System design considerations
- Photo-realistic scheme visualisations
- Budget costings
- Representative and calibrated pull-out tests for system mechanical fixings
- Thermal calculations - pre- and post U-value & condensation risk analysis
- Standard & bespoke detail drawings (CAD)
- BIM Objects (IFC/Revit)
- Tailored project specifications and method statements
- Training for Registered Installers – either on-site or at our Training Academy
- Training for key project stakeholders (e.g. site management teams)
- External wall insulation / render seminars for specifiers
- On-site technical support and monitoring
- Aftercare advice and support.

Did you know, Permarock can now offer 50 year assessed life as standard, for all of our certificated External Wall Insulation systems?

Please scan the QR Code to find out more



Retrofit Decarbonisation

Many older buildings in the UK were built without any form of insulation in the walls. In the face of ever-increasing fuel bills, it is more important than ever to reduce heat energy losses through the external envelope and to eliminate problems associated with condensation and dampness. These are important concerns for occupiers and owners of residential, public and commercial buildings alike.

Our EWI systems have been developed to suit the requirements of the UK market. They are fully certificated and fully compliant with the requirements of PAS 2035/2030: 2023. They may be used on all relevant, publicly funded energy efficiency schemes. They can also be used on commercial building projects, including those that follow the guidelines in PAS 2038.

We offer systems specifically designed for use on high- and low-rise buildings, and for traditional and non-traditional forms of construction. These include solid wall or cavity wall, dense and no-fines concrete, brick, stone and metal, tile and timber-clad structures.

Non-Traditional Housing

Permarock is able to offer solutions for many PRC house types, as well as for other non-traditional or system built types, including the following:

- ✓ Airey
- ✓ Balency
- ✓ BISF
- ✓ Bison
- ✓ Cornish
- ✓ Dorran
- ✓ Easiform
- ✓ Hallam
- ✓ Hawthorne-Leslie
- ✓ Hawksley BL8
- ✓ Orlit
- ✓ Reema
- ✓ Spooner
- ✓ Swedish Timber Frame
- ✓ Tarran
- ✓ Trusteel
- ✓ Unity
- ✓ Wates
- ✓ Wimpey No-Fines
- ✓ Woolaway

Publicly Funded Decarbonisation Schemes

Permarock systems carry full UKAS accredited 3rd party certification to ensure compliance with UK Building Regulations (including high-rise buildings). They also meet the requirements of PAS 2030 / PAS 2035 for use under all current decarbonisation and energy efficiency retrofit initiatives.

Examples include:

- Warm Homes: Social Housing Fund (WH:SHF)
- Warm Homes: Local Grant (WH:LG)
- Optimised RetroFit Programme (Wales)
- The Energy Company Obligation (ECO)

For publicly-funded schemes, Trustmark-recognised guarantees are available, including the 25-Year Solid Wall Insulation Guarantee Agency (SWIGA) Guarantee.



High-Rise Retrofit & Recladding

A2 -s1,d0

Our track record with high-rise properties is second to none. We introduced the first mineral fibre external wall insulation system to the UK in the 1980s and, since then, have developed some of the most technically advanced products in the sector.

Compliant with the latest Building Regulations, our mineral fibre systems deliver excellent thermal performance as well as effective resistance to driving rain and high positive and negative pressures.

Tough and durable, they will withstand extremes of temperature, and they have very low maintenance requirements. They also offer a broad choice of decorative finishes and effects, giving the specifier freedom of expression to create fresh and interesting façades.

Crucially, they are also non-combustible. They feature A1-rated insulation and are available with a selection of renders and finishes that, together, produce a system with an A2-s1, d0 classification.

Accordingly, they are suitable for use on buildings of any height, including those with floor levels 11+ metres above ground, and in proximity to any boundary.

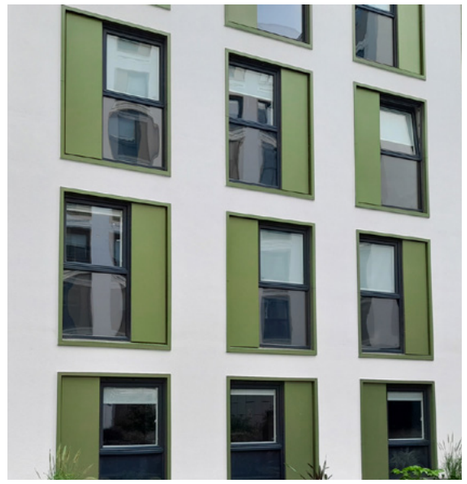
Their safety record is unparalleled. Over the past four decades our external wall insulation systems have been retrofitted to hundreds of high-rise buildings throughout the UK and have helped to prevent the spread of flame in a number of real-world fires.

All this has helped to make Permarock Mineral Fibre External Wall Insulation Systems one of the industry's most popular choices for cladding replacement schemes.

Key Features

- Incorporates non-combustible stone (mineral) wool insulation (Class A1)
- Systems A2-s1,d0 reaction-to-fire classification (EN 13501:1)
- Can be used on buildings of any height
- Systems can be designed to achieve 60 year assessed life
- Adhesively bonded and mechanically fixed insulation, can be designed to resist all anticipated UK wind loads
- Mechanically anchored reinforcement layer: provides enhanced resistance to wind loading and additional structural stability in the event of fire
- A choice of through-coloured, silicone nano-quartz renders, brick slip, brick effect render and dry dash finishes
- SWIGA approved high-rise system.




















External Wall Insulation for New Buildings

Architects and designers are always looking at new and effective ways of improving thermal performance whilst reducing CO_2 emissions in buildings. Permarock external wall insulation provides the solution.

Our systems are developed, tested and certificated for use on conventional and modern new-build constructions, and provide designers with an extensive range of decorative effects to create unique, innovative and exciting architecture.

They meet all requirements for modern cladding products, taking account of factors such as fire and thermal performance, environmental impact, air-tightness, impact resistance and aesthetic choice.

There is a Permarock system to meet even the most demanding project requirements.

Systems are suitable for use on all types of substrates, including:

- Blockwork
- Single skin masonry
- Timber frame
- Lightweight metal frame (either as infill panels to concrete or steel framed constructions)
- Structural building systems.

They are also suited for all types of developments, high- and low-rise, in urban or rural locations, in sheltered or exposed situations, and for new and off-site construction.

Low / Zero Carbon Buildings

Incorporating Permarock external wall insulation into a building envelope design can be a significant aid in achieving improved energy efficiency under the Code for Sustainable Homes, BREEAM (Building Research Establishment Environmental Assessment Methodology) and other standards, where sustainable and low carbon design principles are described.

Our systems have been chosen for a number of award-winning new-build Passivhaus developments. They can significantly reduce cold bridges in walls and help to deliver U-values of 0.15 W/m²K and below. They can also be designed to produce an extremely airtight façade, limiting any thermal bridging or unnecessary heat loss through the building envelope.

"There is a Permarock system to meet even the most demanding project requirements."

Colour and Design Choices

Featuring an extensive range of decorative renders and finishes, our systems offer near limitless aesthetic scope. They can be used both to improve the appearance of existing buildings and to create new buildings with stunningly designed traditional or contemporary façades.

Our Silicone[Ultra] synthetic textured renders and coatings are available in an outstanding palette of over 1,250 colour shades, while the following products are available in their own separate colour ranges:

- Synthetic brick slips
- Brick effect render
- Traditional dry dash finishes with coloured aggregates.



Silicone[Ultra] K 1.5mm Sample
Colour - White



Brick Slip Sample
Colour - Red Shadow



Brick Effect Render Sample
Colour - Chestnut



Dry Dash Sample
Colour - Seville on (DM) White

Shape and form can also be created through simulated blockwork, shadow-lines, ashlar effects and architectural profiles to add further expression.

For new-build projects, our products give designers considerable creative freedom. On refurbishment schemes, they provide an unprecedented opportunity for building owners to give their properties a contemporary new look or, where required, to replicate existing façades. In all cases, they offer outstanding performance and durability.

Sample Requests

Designers and other stakeholders can request samples of our various finishes and the colours available through the Sample Selector section of our website. Alternatively, if you have questions about selections, colour-matching or special decorative finishes, please contact our technical or sales support teams.

Get in touch to request your samples or speak with our technical and sales support teams.
01509 262 924 | **permarock@permarock.com**



Please contact us to:

- Discuss your next project
- Engage with our technical support team
- Request a seminar or training
- Discuss becoming a Permarock Registered Installer
- Make any other enquiries.

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