



PAROC® INSULATION SOLUTIONS

HVAC SYSTEMS UK AND IRELAND

INTRODUCING PAROC®

Owens Corning™ produce energy-efficient and fire-resilient PAROC® Stonewool insulation solutions for new and renovated buildings, HVAC and industrial applications.

Over a nearly 90-year history, the PAROC® brand has earned a reputation for high product performance, technical expertise and sustainability. With decades of expertise, backed by the global resources of Owens Corning™, we lead innovation in insulation technology.

In the UK & Ireland, we provide technical insulation products and a dedicated team to support both specification and sales – across the full project lifecycle.

Paroc.uk



HVAC INSULATION IN THE UK & IRELAND

Choosing technical insulation is more than wrapping pipes or ducts; it's a calculated decision that affects energy efficiency, compliance, and long-term performance.

Insulation for HVAC systems plays a vital role in reducing energy loss and fulfilling Part L requirements (Conservation of Fuel and Power) under UK Building Regulations. But also provides the opportunity to create energy-efficient, fire-safe, and comfortable buildings – whether new or refurbished.

Using stone wool insulation can support designs that exceed minimum energy loss requirements set out in BS 5422. By reducing heat transfer, it helps lower heating and cooling costs, while maintaining stable operating temperatures and supporting reliable system performance.

We provide technical insulation solutions for a wide range of HVAC applications, including pipe insulation and ventilation and air conditioning ductwork. For pipe insulation, it includes cooling pipes, heating pipes, tap water pipes, drain and wastewater pipes. The range is developed for ventilation and piping applications where controlled temperatures, moisture management and regulatory compliance are essential, to meet today's performance demands and UK regulations.

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COMPLEX BUILDING REGULATIONS AND THE HUGE VARIETY OF INSULATION PRODUCTS AVAILABLE CAN MAKE FOR A TOUGH DECISION-MAKING PROCESS. OUR KNOWLEDGEABLE UK & IRELAND TEAM EASES THE SELECTION PROCESS, THEN ENSURES HIGH-PERFORMANCE PRODUCTS ARE DELIVERED EXACTLY WHEN AND WHERE OUR CUSTOMERS NEED THEM. TOGETHER WE CREATE BETTER BUILDS AND MORE RELIABLE, ENERGY-EFFICIENT HVAC SYSTEMS.

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**ROBERT WILLIAMSON,
COUNTRY MANAGER UK&IE**

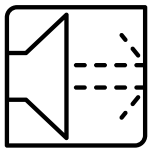
PAROC® HVAC STONEWOOL INSULATION BENEFITS



DURABLE

The reference service life of PAROC® products is equal to the reference service life of the building which is considered to be minimum 50 years.

Check the product-relevant DOPs for more information below.



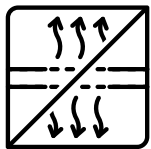
SOUND ABSORBING

PAROC® Stonewool has an optimal fibre structure to limit vibrations while allowing air to flow through. When applied to the outside of HVAC pipes and ducts it can help to create a quieter and more comfortable environment.



AVOID FIRE HAZARDS

Stone wool is a non-combustible insulation material that meets the highest fire classification for building materials, A1, according to EN 13501-1. This means that it does not contribute to fire development or spread and does not produce significant amounts of smoke or flaming droplets.



REDUCE THERMAL TRANSFER

PAROC® insulation products for ductwork with low thermal conductivity and high thermal resistance can contribute to limited heat loss or gain, and temperature changes, which in turn can lead to lower and more efficient energy use and reduced operating costs.

Please see individual product declarations for more detail.



PREVENT CONDENSATION

To prevent condensation on the insulation surface, the duct needs to be insulated so that the surface temperature of the insulation is higher than the dew point of the surrounding air. To minimise the risk of condensation and vapour permeability, PAROC® products have a water vapour-resistant barrier in the form of a reinforced aluminium foil called AluCoat.



WHY STONEWOOL?

Learn more on our why stonewool page:



HVAC APPLICATIONS

Learn more:



DOCUMENT LIBRARY

Find all the relevant documentation, including EPD's:



HVAC PRODUCTS

Take a look at all our HVAC products here:



PAROC® HVAC STONEWOOL INSULATION PRODUCTS

PAROC® HVAC insulation solutions offer long-term performance with practical site considerations. After years of experience designing and manufacturing technical insulation, our specialist HVAC insulation is developed to ease installation and minimise wastage. Along with expert team support, PAROC® strive to make HVAC systems thermally and practically efficient.

ICEROCK DUCTSLAB

Icerock Ductslab is a high-quality, non-combustible stone wool slab reinforced with an aluminium foil facing. It is ideal for rectangular ducts, tanks and vessels. For easy cutting, we recommend using a wide-bladed wool knife with fine teeth.

Operating temperature: 0 – 250 °C

Thickness: 40, 50, 75, 100 mm

Slab size: 600 x 1200 mm

ICEROCK DUCTWRAP

Icerock Ductwrap is a lightweight stone wool mat covered with reinforced aluminium foil on one side. Supplied as a roll and available in various sizes and thicknesses. It is a multi-purpose product that is suitable for insulating ducts, water storage and expansion tanks, valves and other HVAC equipment.

Operating temperature: 0 – 250 °C

Thickness: 25, 40, 50, 75 mm

Roll size: 900 x 7500 mm, 900 x 8500 mm, 900 x 10000 mm

HVAC BEND ALUCOAT T

HVAC Bend AluCoat T is a pre-fabricated pipe insulation bend made of non-combustible PAROC® Stonewool. The pre-formed shape with a self-adhesive overlap makes installation faster and easier, potentially minimising material waste. It is reinforced with AluCoat, a water vapour-resistant barrier that reduces condensation risk when installed with correctly taped joints.

Operating temperature: 0 – 250 °C

Internal diameter: 28 – 133 mm

Thickness: 20 – 100 mm

HVAC LAMELLA MAT ALUCOAT

HVAC Lamella Mat AluCoat is a high-quality, non-combustible PAROC® Stonewool insulation mat for circular or rectangular HVAC ductwork. It is reinforced with AluCoat, a water vapour-resistant barrier that reduces condensation risk and water vapour permeability when installed with correctly taped joints.

Operating temperature: 0 – 250 °C

Thickness: 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 mm

Roll size: 500/1000 x 2500, 3000, 3500, 4000, 5000, 6000, 7000, 8000, 9000, 10000 mm

HVAC LAMELLA MAT BLACKCOAT

HVAC Lamella Mat BlackCoat is an insulation mat made from non-combustible PAROC® Stonewool. Designed for circular or rectangular HVAC ductwork, it is reinforced with a black facing to minimise light reflection for a more discreet appearance. The BlackCoat water vapour-resistant barrier reduces condensation risk and vapour permeability when installed with correctly taped joints.

Operating temperature: 0 – 250 °C

Thickness: 20, 25, 30, 40, 50, 60, 80, 100 mm

Roll size: 1000 x 2500, 3000, 4000, 5000, 6000, 8000, 9000, 10000 mm

HVAC MAT ALUCOAT

HVAC Mat AluCoat is a high-quality, non-combustible PAROC® Stonewool insulation mat for circular or rectangular HVAC ductwork. Its flexibility eases the installation process, allowing the mat to conform to the shape. It is reinforced with AluCoat, an aluminium water vapour-resistant barrier that reduces condensation risk and water vapour permeability when installed with correctly taped joints.

Operating temperature: 0 – 250 °C

Thickness: 30, 40, 50, 60, 70, 80, 100 mm

Roll size: 500/1000 x 4000, 5000, 7000, 8000 mm

HVAC SECTION ALUCOAT T

HVAC Section AluCoat T is an insulating pipe section made of non-combustible PAROC® Stonewool. The longer (1.2m) length makes installation quicker by reducing the number of required joints and minimises potential thermal bridges compared to shorter sections. A self-adhesive overlap also aids installation.

Operating temperature: 0 – 250 °C

Internal diameter: 15 – 1016 mm

Thickness: 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm

Pipe section length: 1200 mm

HVAC SLAB

HVAC Slab is a high-quality, non-combustible PAROC® Stonewool insulation slab. It is ideal for rectangular ducts, tanks and vessels. The slabs are easy to handle and install. For efficient cutting, we recommend using a wide-bladed wool knife with fine teeth.

Operating temperature: 0 – 250 °C

Thickness: 30 – 100 mm

Slab size: 600 x 1200 mm

HVAC SLAB ALUCOAT

HVAC Slab AluCoat is a high-quality, non-combustible PAROC® Stonewool insulation slab. It is ideal for thermally insulating rectangular ducts, tanks and vessels. The slabs are easy to handle and install. It is reinforced with AluCoat, a water vapour-resistant barrier that reduces condensation risk and water vapour permeability when installed with correctly taped joints.

Operating temperature: 0 – 250 °C

Thickness: 40, 50, 60, 80, 130, 100 mm

Slab size: 600 x 1200 mm

FULL PRODUCT INFORMATION IS AVAILABLE HERE:



PAROC® HVAC SUPPORT

With so many regulations to consider and products to choose from, selecting the correct specification for HVAC insulation can be difficult. Add logistics, site handling and installation into the mix and the challenge can be even more daunting. That is why, PAROC® has a wide range of online support and documentation to help you from specification to installation and maintenance. Or if you prefer, our dedicated UK-based team is ready to help.

CHOOSING THE RIGHT INSULATION

When it comes to technical insulation, precision is everything. There's nothing worse than getting halfway through an installation only to find that something doesn't line up. Or once installed a systems performance is not as anticipated. In many cases, the root of the problem is incorrect insulation thickness. A minor oversight in product thickness specifications can snowball into major project delays and expenses. At Owens Corning™ we understand how critical accuracy is. It's important to get the specification right from the design stage. That's why we developed a range of guides to help you. All of the below is available on our HVAC UK designer page.



PRACTICAL DOCUMENTS AND GUIDES

DOCUMENT LIBRARY

If you need documentation for stakeholders, install teams, site teams or accreditation, we have a wide range available. Individual product pages include specific paperwork but you can find everything in our document library. From sustainability and sourcing certificates to product declarations and safety sheets.

LATEST NEWS & ARTICLES

We take a deep dive into relevant topics for the HVAC industry when it comes to insulation - from HVAC applications to building regulations to specification how-to's - we have it all.

INSTALLATION GUIDES

Each product page has relevant installation information but we also have a repository of HVAC product installation guides. We have produced a range of videos and step-by-step guides to help you make the most of PAROC® Stonewool insulation and enhance your HVAC system efficiency.

A GUIDE TO PAROC® STONEWOOL THICKNESSES

Our comprehensive UK thickness guide is designed to help you confidently choose the correct insulation thickness every time.

INSULATION HVAC PIPE & DUCTWORK CPD

For an excellent introduction and accredited course by The CPD Certification Service, choose our 45-minute online or in-person session. We teach you the importance of insulation for building regulations and safety compliance, as well as thermal performance. The course will give you a foundation of knowledge in calculating and specifying the right product and thickness to meet regulatory and project needs for your different applications.

PAROC® BIM PLUG-IN FOR AUTODESK REVIT®

Our BIM plug-in helps you add insulation to your building designs. It is the first ever tool which enables intelligent, fully automated selection of our insulation solutions, compliant with BS 5422:2023. Either automatically add compliant insulation and dimensions for the latest regulations using the intelligent algorithm. Or add your own insulation specification by customising your parameters before importing them into your model.

HVAC SPECIFICATION DOCUMENTATION

Advice and specification information for some of our HVAC products to help you specify and install our insulation correctly.

PAROC® CALCULUS

Our calculation program for working out thermal insulation requirements and performance. It is an easy-to-use interface that works on PCs, tablets and smartphones. Work out heat loss, surface temperature, temperature fluctuations for ducts, pipework and tanks to ISO 12241:2022 accuracy. Easily change the predetermined inputs to find the optimal solution and then print calculations as PDFs.

PAROC® ON NBS SOURCE

Many of our HVAC insulation solutions are available on NBS Source to help you build and add to your specification. Refine and compare products for your project, view documentation and download BIM files.



SCAN HERE TO VISIT OUR DESIGNER PAGE

PAROC® UK HVAC TEAM

For pricing, specification or general support, contact our experienced UK team.

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PAROC® stands for energy-efficient and fire-resilient insulation solutions of stone wool for new and renovated buildings, HVAC and industrial applications. Behind the products, there is a nearly 90-year history of stone wool production and know-how backed by technical expertise and innovation.

Going under the product name PAROC® and in the instantly recognisable red-and-white-striped packages, our products include building insulations for thermal, fire and sound insulation of exterior walls, roofs, intermediate floors and partitions and technical insulations for HVAC systems, industrial processes and OEM industry.

Discover the full PAROC® HVAC range and learn more about HVAC insulation solutions.



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OUR UK HOMEPAGE**

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