

Paroc Panel System





Paroc Panel System experience since 1986

Non-combustible, safe and durable stone wool is an ecological and economical insulation that has been used for fire, thermal and sound insulation for decades. In 1952 Paroc started manufacturing stone wool in Finland. Production of PAROC panels started in 1986, giving rise to Paroc Panel System.

Products

Paroc Panel System manufactures steel-faced sandwich panels with a core of stone wool for façades, partitioning walls and ceilings. The panels are safe, light-weight, easy to install and with an elegant appearance. A finished façade is quickly installed using the panels. The excellent characteristics of PAROC panels include non-combustibility, strength, thermal insulating capacity and tightness.

Expertise

Behind our high-quality products we have a skilled and committed staff offering customer-oriented solutions that are safe, functioning and elegant. We give our cooperation partners added value by being a successful and inspiring workplace, where we keep the fire burning for development and skill. We aim to be the most preferred supplier of sandwich panels with stone wool core also in future.

Sales and production

An international network of sales offices and distributors covers almost the whole of Europe and the Middle East. Our largest markets are in Northern and Eastern Europe. A long experience as a reliable cooperation partner has earned us the position as a market leader in all countries where we operate. PAROC panels are manufactured in Parainen, Finland.

www.paroc.com/panelsystem



Inspired by practice

Handy, light-weight and safe PAROC panels are designed for rational building. Practicality does not exclude aesthetic features - our products are also pleasing to the eye. Let the multifaceted PAROC panels click into place!



Reliable service

Our reliable and flexible operations save time and money for our customers. Every link in our delivery chain is secure. We understand the challenges of time schedules in modern building, we listen to our customers and we continue to improve our services to further ensure the smooth running of building projects. Welcome to the focus of service!



Fire-proof quality

Real quality is measured in tight spots. Our panels protect against fire over four hours. Non-combustible PAROC panel solutions are safe and have a long service life. Behind their excellent properties is a strong expertise in sandwich technology. The first-class technical quality of PAROC panels is also reflected in the smoothness of the surfaces.



Hot expertise

The whole construction process, from the first customer contact up to installation has to be fast, flexible and simple. Our long experience in the field helps us understand construction requirements and solve customer challenges in the various phases of a project. Our personnel keeps up with development in the construction field. Thanks to continuous training we can offer customers expertise hot on the trail.

Inspired by practice



HANDY, LIGHT-WEIGHT AND SAFE PAROC PANELS ARE
DESIGNED FOR RATIONAL BUILDING. PRACTICALITY DOES
NOT EXCLUDE AESTHETIC FEATURES – OUR PRODUCTS
ARE ALSO PLEASING TO THE EYE. LET THE MULTIFACETED PAROC
PANELS CLICK INTO PLACE!

Our wide panel range offers designers extensive and individual options to express their views: classic or modern, impressive or modest. However, behind our elegant panel solutions you will always find practical and user-friendly solutions – in other words the idea that it is possible to combine beauty and functionality.

Based on these principles our façade solution is a modern, light and technically high-class system. Thanks to its versatile aesthetic characteristics it is an ideal choice for business and public buildings, for instance.



THE FAÇADE SOLUTIONS HAVE BEEN AND WILL BE FURTHER DEVELOPED BY LISTENING TO VIEWS FROM ARCHITECTS AND STRUCTURAL DESIGNERS. WE ALSO UTILIZE THE SKILLS OF TOP INDUSTRIAL DESIGNERS. THUS WE CAN CONTINUE TO OFFER STILL BETTER METHODS TO COMBINE OUR PANELS TO MORE AND MORE INDIVIDUAL SURFACES.

PAROC® smooth – the secret lies in its smoothness! A smooth wall surface is beautiful and sound. If, on the other hand, you want to bring forward the play between light and shadow in the panel joints, your choice is PAROC® shadow.

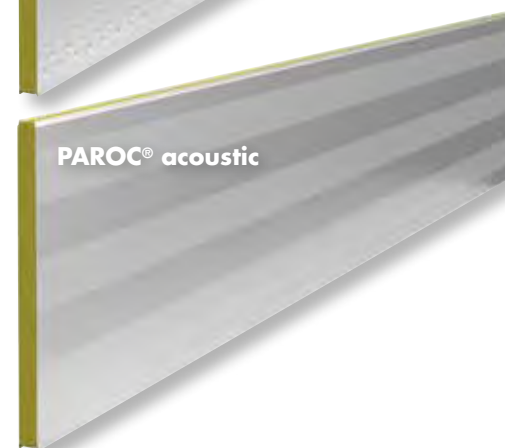
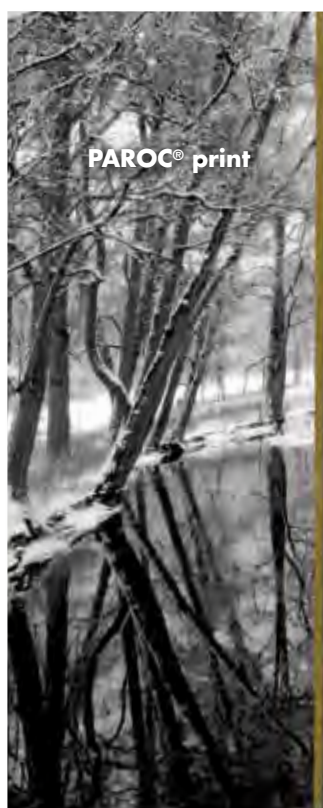
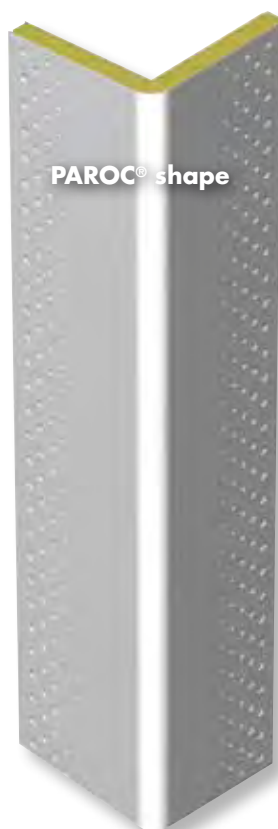
PAROC® line – the visual expression of the panels is formed by the continuous lines which create a streamline effect. PAROC® line 200 and 600 give rhythm to the wall surface, whereas PAROC® micro brings shades to the surface.

PAROC® dot – various shadings in the façade are created by imprints of different sizes in the steel surface. A 200 mm wide pattern strip can be placed at either the edge or in the centre of the panel surface.

PAROC® acoustic – one surface of the acoustic panel is perforated. The panels have good sound attenuation and are intended for partition walls and ceilings to create elegant and silent interiors.

PAROC® shape – the modules increase flexibility in façade design. Different types of corner panels and U-panels give the façade a finished look. You can choose rounded, arched or sharp lines according to taste.

PAROC® print panel returns art and ornamentation to architecture. Print any pattern you want on PAROC® print panels.





Flexibility with panel width

The standard module width of panels is 1200 mm. In special cases, such as between rows of windows, it can be more practical to use a non-standard panel width. Narrow panels can also be used to create for instance various effect strips.

Express with tones

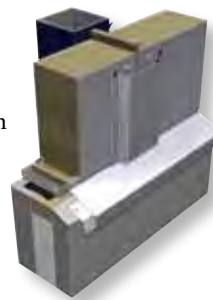
An extensive selection of colour tones combined with various surface types result in a multitude of available façade options.

Free installation direction

Not only the panels but also their installation direction influence the end result.

Creative detail design

Careful detail design enhances the end result. By means of Panel System's various details it is easy to design fascinating façades.



Individual flashing design

Variation in the building appearance can be created by fixing and flashing design. A creative design can result in individual impressions and shadows in façades.

Diversity by combining

Panels can also be combined with other construction materials. For instance ceramic tiles, glass, timber or even bricks combined with elegant steel-faced PAROC panels open up new doors for façade design.



Reliable service





OUR RELIABLE AND FLEXIBLE OPERATIONS SAVE TIME AND MONEY FOR OUR CUSTOMERS. EVERY LINK IN OUR DELIVERY CHAIN IS SECURE. WE UNDERSTAND THE CHALLENGES OF TIME SCHEDULES IN MODERN BUILDING, WE LISTEN TO OUR CUSTOMERS AND WE CONTINUE TO IMPROVE OUR SERVICES TO FURTHER ENSURE THE SMOOTH RUNNING OF BUILDING PROJECTS. WELCOME TO THE FOCUS OF SERVICE!

Paroc Panel System is not the leader in its field by chance. An important part of our success is our customer-oriented staff. We listen to builders and designers and use their needs and wishes as a platform for improving our operations and we focus on service, new products and solutions.

Our skilled sales staff help building professionals to find the best possible solutions to their specific projects and our project engineers ensure a smooth implementation of the projects according to agreement. We have technical experts to give guidance in the design and selection of architectural and functional structural solutions. Standard and special details in AutoCAD format speed up design work and make installation easier.

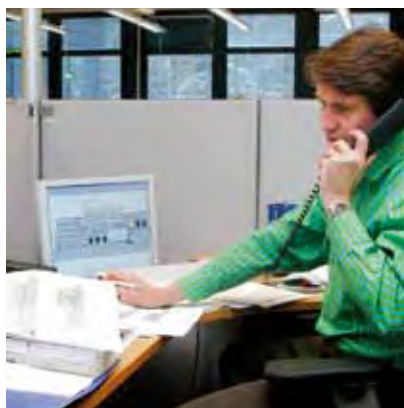


OUR WHOLE TEAM IS TUNED TO MEET THE DEMANDING SCHEDULES OF MODERN BUILDING. WE OFFER TOOLS THAT HELP MINIMIZE THE TIME REQUIRED FOR INSTALLATION ON-SITE.



Professional sales people

Our sales people are panel experts. They help in finding functional and economical overall solutions in face-to-face discussions in the very beginning of the project.



One contact person

When deal is made our project engineers continue practical work on the project to make it flow fluently on schedule in every detail.



Technical service

Experienced technical advisers can guide to optimise solutions and structures also in special applications.



Aesthetic and functional detail solutions

We provide a large range of architectural and engineering details in AutoCAD format.



Accessories along with panels

Various accessories, fixing screws, flashings, sealants etc. can be ordered with the panels. We can determine and deliver the required quantity of accessories.



Panels in installation order

The panels are packed in installation order in durable packages. If required, special-cut panels can be made in the factory.



Just on time deliveries

In terms of deliveries, punctuality and speed are for us a matter of honour. We keep what we promise.



Effective site logistics

The installation drawings with coded panels and package locations simplify the planning of on-site activities.



Installation advice

Detailed installation instructions and detail drawings, appropriate accessories and installation start-up guidance make installation quicker. Even tough weather conditions do not prevent installing.



Safe lifting equipment

Specially developed installation equipment makes installation more efficient. Our staff can also recommend experienced local installation companies.

Fire-proof quality



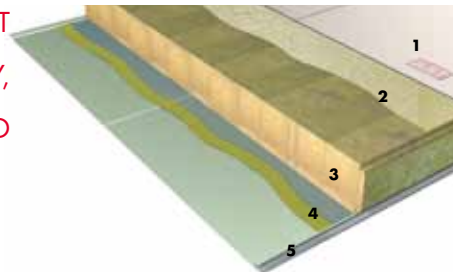


REAL QUALITY IS MEASURED IN TIGHT SPOTS. OUR PANELS PROTECT AGAINST FIRE OVER FOUR HOURS. NON-COMBUSTIBLE PAROC PANEL SOLUTIONS ARE SAFE AND HAVE A LONG SERVICE LIFE. BEHIND THEIR EXCELLENT PROPERTIES IS A STRONG EXPERTISE IN SANDWICH TECHNOLOGY. THE FIRST-CLASS TECHNICAL QUALITY OF PAROC PANELS IS ALSO REFLECTED IN THE SMOOTHNESS OF THE SURFACES.

High technology and fire safety combined with visual elegance are the core of our business operations. In all its operations, from the selection of raw materials up to customer deliveries, Paroc Panel System follows an uncompromising quality system. We continuously develop our solutions to meet customer needs. PAROC panels are classified as non-combustible, Euroclass A2-s1,d0, and are approved for their fire resistance, strength and thermal insulation capacity in several countries. The approved properties are continuously monitored by Paroc Panel System itself as well as by independent quality control institutes.



 A CONTROLLED PRODUCTION PROCESS AND STRICT QUALITY CONTROL GUARANTEE AN EVEN QUALITY, ALSO IN SURFACES. HOWEVER, NOT ALL THE GOOD PROPERTIES OF THE PANELS ARE VISIBLE.



AST® quality standard as a tool

The AST® quality standard is a tool developed for the customer, which helps to ensure that the end product meets the crucial requirements – strength, durability, non-combustibility and fire resistance – set for load-bearing sandwich structures.



Reliability with AST® quality

In structural sandwich panels AST® quality is based on the structural core which is on both sides fixed by adhesive bonding to steel sheets. Together these form an interactive composite structure, which is strong, durable, non-combustible and has high fire resistance. AST® quality is fully implemented in PAROC panels.

Components of PAROC® panels

- 1 Substrate-coated steel sheets
- 2 Strong and durable adhesive
- 3 Non-combustible core of PAROC structural stone wool lamellas
- 4 Multi-layer primer to ensure the bonding between the adhesive and the steel sheet
- 5 Fire safe and tight joint design



Quality according to EPAQ regulations

PAROC panels are a reliable choice for protecting lives and property. Technical properties of the panels have been tested and approved according to the EPAQ regulations (European Quality Assurance Association for Panels and Profiles). They can protect up to four hours against fire and they are non-combustible, Euroclass A2-s1,d0. They are strong enough to withstand heavy climatic conditions and maintain their performance over the life time of a building.

Quality in operations

Quality means not only functioning products, it also covers the whole delivery process. Appropriate products, fast delivery times and generally to keep given promises create a high-quality and cost-efficient operation.

Certified quality

Det Norske Veritas has granted Paroc Panel System the quality certificate ISO 9001. We also have the Loss Prevention Certification Board (LPCB) certificate. VTT (Technical Research Centre of Finland) has granted PAROC panels a certificate (Certificate No. 163/01).


Environmentally friend solution

Insulating is economically sound. Panel structures with excellent insulation without thermal bridges combined with optimised detail solutions reduce operating costs of heating and cooling systems, and increase the resale value of the property. A single investment pays for itself many times over.

Hot expertise





 THE WHOLE CONSTRUCTION PROCESS, FROM THE FIRST CUSTOMER CONTACT UP TO INSTALLATION HAS TO BE FAST, FLEXIBLE AND SIMPLE. OUR LONG EXPERIENCE IN THE FIELD HELPS US UNDERSTAND CONSTRUCTION REQUIREMENTS AND SOLVE CUSTOMER CHALLENGES IN THE VARIOUS PHASES OF A PROJECT.

Our experts are there to meet customer challenges. We continuously develop new products and ways of more flexible service. We closely follow what takes place in our business area and how standards and requirements change and develop. Thus we can meet new challenges quickly and also contribute to creating good and functioning practices.

Customer challenges show a wide variety, but so do the panel solutions we have developed for different applications. For elegant and demanding architectural solutions we have developed a separate system, as also for noiseless work environments and clean rooms. We also solve problems related to fire and burglar safety.



THE SYSTEMS ARE COMPREHENSIVE SOLUTIONS; THE PRODUCTS, ACCESSORIES AND DETAIL SOLUTIONS USED MEET THE GIVEN SPECIAL FUNCTIONAL REQUIREMENTS.

ALL SYSTEMS ARE CHARACTERIZED BY THE SAME UNCOMPROMISING QUALITY STANDARDS, EASY INSTALLATION, STYLISH APPEARANCE AND A PROFESSIONAL AND FAST DELIVERY PROCESS.

Fire safety

In fire safety the first priority is always to protect human life and property. PAROC panels are non-combustible, Euroclass A2-s1,d0. Using non-combustible structures also means savings in insurance payments. We can provide safe solutions with fire resistance up to four hours in walls and one and a half hours in ceilings.



Architectural solutions

When using our multifaceted panels, let the imagination fly and create individual solutions also in demanding projects. Take advantage of our special panels and flashings and use them together with aesthetically pleasing details for easy design of outstanding façades. Also other materials can be fixed to the panel faces to give life to façades.



Noiseless work environment

Noise generated by machinery and equipment in industrial plants often makes the work environment unpleasant and even harmful to hearing. With perforated PAROC acoustic panels you can ensure sufficient sound attenuation and insulation. Along with the sound control you get stylish finished surfaces for interior purposes.



Burglar protection

Sometimes property needs to be protected not only against fire. We offer ideal solutions for projects that require safety out of the ordinary. Our burglar protection walls are certified both in Finland and Sweden.



Clean rooms

We have developed special structures for clean rooms with high demands on a hygienic environment, such as the food, electronic and medical industries. Such structures do not accumulate dirt, and cleaning is easy and economical. Smooth surfaces, tight joints and FoodSafe coatings are then essential.

Paroc is the leading manufacturer of energy-efficient insulation solutions in the Baltic Sea region. The cornerstones of our operations are customer and personnel orientation, constant innovation, profitable growth and sustainable development. Paroc products include building insulation, technical insulation, marine and offshore insulation, sandwich panels and acoustic products. The products are manufactured in Finland, Sweden, Lithuania and Poland and as of 2013 also in Russia. Paroc has sales and representative offices in 14 European countries.



Building Insulation offers a wide range of products and solutions for all traditional building insulation. The building insulation products are mainly used for the thermal, fire and sound insulation of exterior walls, roofs, floors and basements, intermediate floors and partitions.



Sound absorbing ceilings and wall panels for interior acoustic control, as well as industrial noise control products, are available in the range.



Technical Insulation products are used for thermal, fire and sound insulation in building techniques, industrial processes and pipe work, industrial equipment and ship structures.



Sandwich panels are lightweight steel-faced panels with a core material of stone wool. Paroc panels are used for façades, partitions and ceilings in public, commercial and industrial buildings.

The information in this brochure describes the conditions and technical properties of the disclosed products, valid at the time of publication of this document and until replaced by the next printed or digital version. The latest version of this brochure is always available on Paroc web site.

Our information material presents applications for which the functions and technical properties of our products have been approved. However, the information does not mean a commercial guarantee, since we do not have full control of third party components used in the application or the installation.

We cannot warrant the suitability of our products if used in an area which is not provided in our information material.

As a result of constant further development of our products we reserve the right to make alterations to our information material.

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