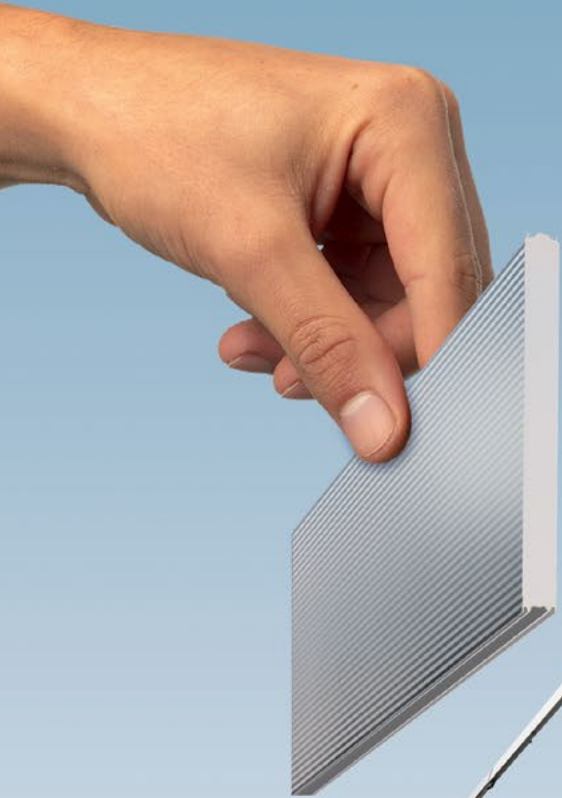




POWERED BY
QuadCore™
TECHNOLOGY

Everything

IN THE RIGHT PLACE



Introducing
QuadCore™ Technology



Paroc Panel System - over 30 years experience

The whole construction process, from the first customer contact to installation, has to be fast, flexible and simple. Our extensive experience in this field helps us to understand construction requirements and solve customer challenges at every stage of a project. Our team is up to date with developments in the construction Industry and can offer customers expertise hot on the trail.

Our Products

Paroc Panel System is known in the industry as a leading manufacturer of high-class sandwich panel systems with AST® technology and a stone wool insulation core. AST® quality (Advanced Structural Technology) results in secure strength properties, reliable long-term durability and fire safety in sandwich panels.

Now our offer has been extended by QuadCore™ Technology that takes insulated panels to a superior level of thermal performance, enhances fire protection and improves environmental credentials. This means that our customers receive complete building envelope solutions depending on their needs and can be sure “everything is in the right place”.

Our Teams

Behind our high-quality products we have skilled and committed staff offering customer-oriented solutions. We give our business partners added value by being a successful and inspiring workplace, where we continuously develop and improve our skills.

Our unique service package together with reliable and flexible operations facilitate the management of building projects from project planning throughout the installation.

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QuadCore™ Envelope Performance Promise

Future-proofed buildings that help deliver higher yields and lower lifetime operating costs

QuadCore™ insulation technology is now available across the Paroc Panel System’s architectural, wall and ceiling ranges, offering the complete QuadCore™ envelope solution.

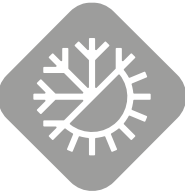
QuadCore™ envelope brings you all the advantages of a factory engineered system (significantly faster build speed, lifetime insulation continuity and consistent build quality) plus the additional performance of QuadCore™ Technology.

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Why Choose QuadCore™?

Insulated panels are single-component, factory-engineered systems that, when compared with traditional built-up systems, deliver very fast buildspeed while minimising risks associated with installation quality issues. QuadCore™ takes insulated panel technology to a superior level of performance.



Warranty for Thermal & Structural Performance

QuadCore™ is guaranteed to retain its specified thermal performance for the stated period, even if exposed to water during construction.



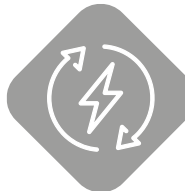
Enhanced Environmental Performance

QuadCore™ is a core in an insulated panel with Low Global Warming Potential, with third-party verified EN 15804 EPDs on EcoPlatform and Greenbooklive.



Superior Fire Performance

QuadCore™ is insurer approved to FM and LPCB standards and protects against fire spread.



100% renewable energy

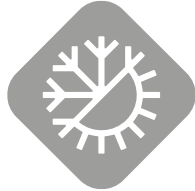
QuadCore™ is manufactured in factories with 100% renewable energy.

The Highest Performing Closed-cell Insulation Core in the World



Fire Protection

Reaction to fire EN 13501-1: **B-s1, d0**; **FM** approved; **4 hours fire integrity and 30 mins insulation*** when tested to EN 1364-1



Thermal

Lambda 0,018 W/mK, more than **twice** as thermally-efficient as mineral fibre, which means it is **lighter to construct, handle and transport**



Lifetime Guarantee

Unrivalled **40 year thermal performance guarantee**

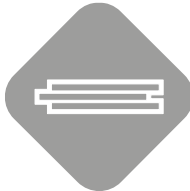


Environmental

Lighter, FCKW free, EPD available

* QuadCore solutions up to 60 mins insulation are available

How Can QuadCore™ Deliver More Value to Buildings?



Lighter & Thinner

- Potential savings in steel structure & accessories
- Fewer truck deliveries = lower CO₂ emissions
- Lighter & safer to handle and easier to transport
- Thinner walls = reduced overall building footprint and/or more internal space



More Thermally-efficient & Airtight

- More energy savings over the building's life, backed up by a 40 year thermal performance guarantee



More Sustainable

- 6 more BREEAM credits in Ene 01 than a typical retail or distribution warehouse
- Recognised within German DGNB & LEED certifying system
- Zero ODP and very low Global Warming Potential

Potential Estimated Benefits from QuadCore™ Façade

up to **20-30%**

savings in accessories

up to **25%**

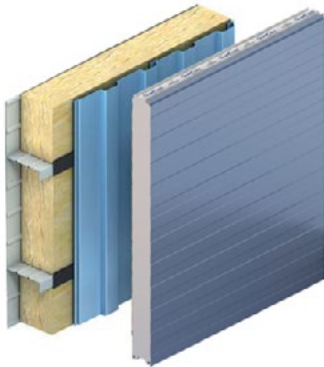
savings in installation costs

up to **100%**

savings in installation time with associated faster build programme

up to **2.5 times**

less truck deliveries to site



	Built-up	QuadCore™
Lambda	0.045 W/mk	0.018 W/mk
Insulation thickness*	250mm	100mm
Weight / m²	37kg	13kg

The superior thermal efficiency of QuadCore™ leads to more lifetime energy savings plus a thinner and lighter wall solution with multiple benefits in terms of efficiency and sustainability.

* These are estimates for facade using traditional built-up system with mineral fibre, compared with a 100mm QuadCore™ insulated panel. Accurate calculations could be achieved with more detailed project information.

Our QuadCore™ Systems

QuadCore™ M

Architectural secret-fix wall panel systems with profiles suitable for either vertical or horizontal applications.

- Additional performance benefits to the QuadCore™ M system including:
- Complementary accessories
 - Wide range of profile and colour options



QuadCore™ R

Through-fix wall panel systems for exterior and internal walls and ceilings, suitable either for vertical or horizontal applications.

- Additional performance benefits to the QuadCore™ R wall system including:
- Wide range of applications
 - Savings in installation costs



QuadCore™ C

Coldstore wall and ceiling panels designed specifically for use within the temperature and environmental control industry, such as food manufacturing and temperature controlled storage.

- Additional performance benefits to the QuadCore™ C system including:
- Same U-value at a reduced panel thickness
 - Savings in building structure & foundation



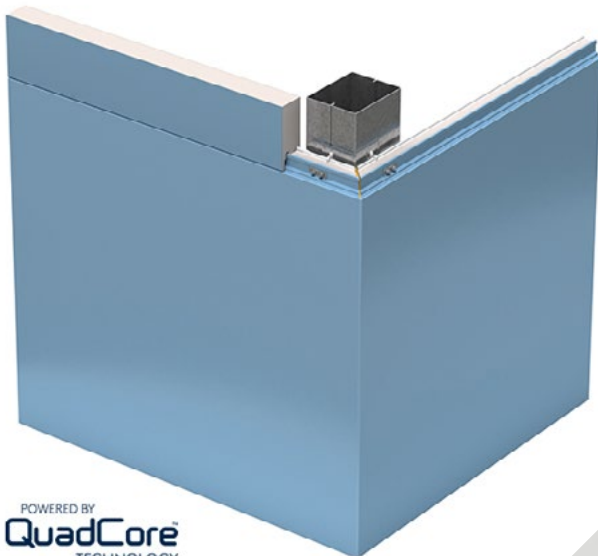
Take Architectural Design to the Next Level

QuadCore™ Fabrications

Paroc Panel System offers also prefabricated corners and wide range of complementary accessories like fasteners, flashings, profiles, and sealants.

They give architects and building planners more aesthetic possibilities as well as challenge them to explore and express themselves freely.

Our team will support with bespoke details and specialist fabrications.



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Service and Support

We're Here to Help!

Our services help save you time and ensure an optimised design with potential savings in HVAC sizing, structural steel and installation times.

Contact Us for Planning and Specification Support



Product Selection



Detailed specification of accessories



CAD/BIM construction details



Individual design of non-standard construction details



Technical specification packs



Specialist installation training



Technical design optimisation of your project

Contact Us for Fast Technical Advice about:

- **Wind and snow load calculations**
- **U-Value / condensation risk**
- **Acoustic performance**
- **Fire protection**
- **Project fastener requirements**





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