



Are you ready
to refurb?

Get your building
future-proof ready



Reasons to Refurb

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Meeting Current & Future Regulatory Requirements

Make Sure Your Building is Ready

Whether you're a landlord, a developer or a building owner, meeting regulatory requirements is a key driver of building upgrades. Improving the envelope is the simplest way.

Minimum Energy Efficiency Standards (MEES)

The primary requirement for private landlords in England and Wales is the Minimum Energy Efficiency Standards, or MEES.

Non-domestic landlords must meet a minimum Energy Performance Certificate rating of E.

This applies to privately rented non-domestic properties, whether or not there is a change in tenancy.

With future requirements remaining unclear, aiming for the best rating now makes economic sense, rather than upgrading again when new requirements come into force. This starts with the building envelope.



Part L

On 15th June 2022, the first major change for almost a decade to building regulations governing the conservation of fuel and power came into effect.

The focus at this stage is a fabric-first approach to ensure buildings are ready

for renewable energy and low carbon technologies.

Download our report for the key points of Part L*, and the solutions we offer to meet the requirements.



*The guidance provided by Approved Document L2 will be updated in support of the Future Buildings Standard.

Future Buildings Standard

The Future Buildings Standard consultation ended on the 6th of March 2024, with the Standard expected in 2025. Retrofit standards to be introduced as part of the new Standard for England & Wales are yet to be confirmed.

There is renewed focus on low carbon heating. An energy efficient building envelope is key.



Climate Change Act Scotland 2009 (Section 63)

Section 63 of the Climate Change Act requires owners of non-domestic buildings over 1,000m² to assess energy performance and greenhouse gas emissions on sale or lease of the building.

Exemptions apply to properties that comply with the Scottish Building Standards from 2002 onwards, properties that have made improvements under a Green Deal plan, temporary buildings (two years or less), workshops, and unheated buildings.

The Assessment of Energy Performance in Non-Domestic Buildings Regulations 2016

Regulations apply to all non-domestic buildings in Scotland, including commercial, public, and industrial facilities.

The assessment will result in a Section 63 Action Plan identifying any steps that would improve performance and reduce emissions.

In November 2023, a consultation on a new Heat in Buildings Bill set out plans that require landlords and businesses to meet minimum energy-efficiency standards by 2028 and transition to clean heating systems by 2045.

Why Aesthetics Matter in Building Refurbishments

Focusing on aesthetics offers benefits beyond the functional. Whether you're making improvements or carrying out a full refurbishment, aesthetics should be a part of your plan.

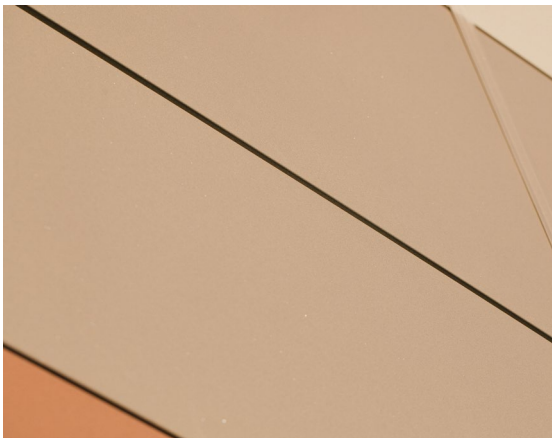
Our diverse range of insulated panels enables the ultimate design flexibility and creativity to elevate your building while improving performance, durability and sustainability.

Here are 5 reasons why appearances matter in a refurb.



01

Increase Value & ROI:
Investing in aesthetics can lead to better ROI when selling or leasing the property.



02

Improve Employee Morale & Productivity:
A visually appealing environment creates a positive atmosphere and enhances the satisfaction of its occupants.

03

Enhance Brand Image & Reputation:
Investing in quality and visual appeal demonstrates credibility to potential partners, investors, and stakeholders.

04

Contribute to the Surrounding Area:
Our insulated panels come in a range of finishes, textures, and colours, to mimic traditional materials or create a standout appearance.

05

Differentiate from the Market:
Insulated panels can create a striking appearance, adding depth, texture, and complementary elements to the design.



Request a product sample for inspiration on your next project.



Improving Occupancy Comfort and Wellbeing

Greater Thermal Comfort

The condition of a building impacts thermal performance, which influences occupant comfort and well-being. Poor insulation, drafty windows, and inefficient heating and cooling can lead to discomfort and health issues.

There is growing evidence to suggest thermal comfort measurably improves well-being and productivity in a wide variety of contexts. The high-performance insulation core and airtight construction of our QuadCore insulated panels help to improve the efficiency of heating and ventilation systems – for greater temperature regulation and thermal comfort.

Meet Voluntary Building Standards

Building health is a key aspect of voluntary building standards such as BREEAM, WELL and LEED. WELL's research demonstrates that companies who invest in health strategies can benefit from enhanced performance and increased financial returns.

Better Air Quality

The materials used in the construction and maintenance have a significant impact on indoor air quality.

Over time, dust, mold, and volatile organic compounds (VOCs), can accumulate on exterior surfaces and enter through cracks and openings. Our QuadCore solutions can help indoor air quality, with its low emissions of VOCs.

Improved Visual Appeal

Appearance is what makes the first impression. A well-maintained and aesthetically pleasing exterior evokes positivity and creates a warm and welcoming atmosphere.

There is much research into the effects of exposure to visually attractive environments on stress, mood, and well-being.

Architecture and building design in particular are associated with greater levels of happiness in and outside the building.

The 6 Signs Your Roof Needs a Replacement

01

Age:

Most commercial roofs have a lifespan of 20-30 years. If yours is approaching this timeframe, it's essential to consider a replacement.

02

Energy Efficiency Decline:

As they age, roofs can lose their insulating properties. Investigate the condition of your roof and consider replacement or refurbishment if you notice a spike in energy costs.

03

Visible Damage:

Inspect for signs of damage, such as cracks, punctures, missing shingles, or panels. Addressing visible damage is crucial to preventing deterioration.

04

Sagging Structure:

A sagging or uneven roofline indicates structural damage. It requires immediate attention, including a thorough inspection and potential replacement.

05

Water Stains:

Water stains on ceilings or interior walls are clear indicators of a leak. Left unattended, they can result in extensive damage to inventory and equipment.

06

Mold or Mildew:

The presence of mold or mildew not only poses health risks but can also weaken the roof structure. Addressing this may involve roof replacement or refurbishment.

Our Recommendations: Regular inspection and proactive maintenance are key to protecting your commercial property. By recognising the signs, you can take action. Investing in your roof is an investment in the long-term success of your business.

Increased Thermal Performance - A Case Study

Client:
Storage World

Location:
Middleton

Product:
QuadCore AWP Wall Panels

A bold refurbishment at Storage World's Middleton branch using QuadCore AWP Wall Panels to reflect Storage World's unmistakable branding and enable a fast, efficient installation.

Whilst appealing to the aesthetic needs of the client, QuadCore AWP Wall Panels are a comparatively quick and straightforward installation. The panels were manufactured offsite to the project's specific needs and dimensions. The lightweight panels allow for thinner walls whilst also providing competitive thermal performance.

It was essential for the client to select a high-quality sealed panel with reliable performance qualities, such as thermal efficiency and high levels of air tightness. With an efficient speed of build, the project team could make the building envelope air and watertight at an early stage.



The insulation in the QuadCore AWP Wall Panel, with a Thermal Conductivity (λ) of 0.018W/m.K, offers significant energy savings and potential carbon reductions.

Manufactured to the highest standards from the highest quality materials and to rigorous quality control standards, such as compliance with BS EN ISO 9001, and employing innovative production equipment, ensures the panels' long-term reliability and service life.



Learn more about our
QuadCore Technology.

Our Solutions

Maximising Building Performance

With one of the broadest insulated panel ranges from a single supplier, we deliver high-performance product solutions and added value services for energy-efficient buildings that help improve the wellbeing of occupants and the built environment alike.

Insulated Roof Panels

Our QuadCore insulated roof panels are engineered for easy installation, low maintenance, and high performance.

These market leading systems are the go-to for industrial and commercial building exteriors as well as a range of other applications, offering high energy efficiency and weather protection.

[Learn more](#) ↗

Solar

Our range of solar solutions gives you the ability to futureproof your building by optimising energy-efficiency, reducing carbon emissions and creating healthy, resilient spaces to live and work in.

[Learn more](#) ↗

Insulated Wall Panels

Elevate the aesthetic appeal and energy efficiency of your building's exterior with our versatile QuadCore insulated wall panels.

Designed for industrial, commercial and a range of other applications, they not only provide high thermal and environmental performance, but also offer a striking architectural finish.

[Learn more](#) ↗

Our Services

Leading Thermal Performance

QuadCore is almost twice as thermally efficient as mineral fibre, offering significant advantages in terms of thinner walls (more internal space and potentially higher yields).

Its superior material efficiency and ease of disassembly can contribute towards credits in BREEAM 2018 and other green building rating systems.

Book a CPD

Schedule a CPD session with our refurbishment experts to enhance your professional development.

Benefit from our extensive experience and insights into industry standards, techniques, and regulatory compliance. Book your face to face session today!

[Learn more](#) ↗

Tech-eXchange

Our Tech-eXchange team offers a whole suite of technical services to support your project needs.

Our team is on hand to assist you from the earliest design and specification stages right through to installation and post-occupancy. Tools available include 3D Viewer 2.0, KingCADD, BIM360, and Revit Content.

Advice from the experts

Get in touch now to tap into our wealth of knowledge and resources, and let us help you achieve success with your project.

Whether you're just getting started or seeking guidance on a complex issue, our experienced professionals are here to assist you every step of the way.

[Learn more](#) ↗

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