A QUANTUM LEAP IN BUILDING PERFORMANCE
Discover a breakthrough in insulated panel core technology:

ipn-quadcore.co.uk

#itsinthecore
A BREAKTHROUGH IN TECHNOLOGY FOR ENHANCED BUILDING PERFORMANCE

The invention of IPN-QuadCore is a quantum leap on the journey to high-performance buildings that are better for the environment and for business.

This scientific breakthrough has led to a completely new core material for our insulated panels that delivers the industry’s highest thermal performance, superior fire protection and enhanced environmental credentials.

Technology decisions made today can impact the value of property tomorrow. That’s why our building performance team will be with you every step of the way.

Helping you navigate the complexities of a changing legislative landscape and a competitive property market. Bringing our expertise in ‘whole building analysis’ to bear on maximising the return on your building envelope investment.

All backed by peace of mind and a unique 40 year thermal and structural guarantee that’s unrivalled among advanced building systems.

The journey starts here.

It’s all in the grey cells...

A bespoke hybrid technology with a unique formulation that creates microcells with industry-leading thermal performance, superior fire protection and enhanced environmental credentials.
THERMAL UP TO 20% THERMAL PERFORMANCE ENHANCEMENT
IPN-QuadCore delivers an unbeaten thermal performance of 0.018 W/m.K*. The best in the industry.

Together with optimised building design, this pushes the potential for heat loss reduction and solar gain to new levels.

Better thermal efficiency in the building envelope reduces the load on heating and cooling, creating significant additional energy savings.

Making IPN-QuadCore a game-changer in terms of enhanced building lifetime performance.

* A 20% thermal performance improvement of 0.018 W/m.K when compared to typical value of 0.023 W/m.K.
† U-value of 0.08 W/m²K relates to 220mm thick UltraTemp panel.
Today’s buildings must meet a vast range of requirements, not just to satisfy the regulations, but to live up to the expectations of occupants too.

They must be efficient, reliable, practical and sustainable. Above all, they must be comfortable and safe.

IPN-QuadCore helps deliver all this and more, and because the life of every building is a journey in time, it will do so for many years to come.

In fact, we guarantee that whatever direction the built environment takes, it will still be functioning as-built for thermal and structural performance in 40 years’ time.

Reducing costs. Saving energy. Making life in an IPN-QuadCore protected building secure and trouble free.
40 YEARS’ PEACE OF MIND
Its primary purpose might be to provide an inspirational and productive place to work and live, but your building must also offer protection against something far more dangerous.

That’s why IPN-QuadCore technology also protects against fire to superior levels.

**Industry-leading fire performance**

IPN-QuadCore panels are third party tested and certified to the highest industry standards:

- Insurer certified FM and LPCB systems
- The only closed-cell insulated panel material approved to FM 4882 for smoke sensitive occupancy
THE ROUTE TO NET ZERO
ENERGY BUILDINGS
At Kingspan, it has always been our belief that advances in the built environment must never be at the expense of the natural environment.

The science behind IPN-QuadCore has taken that principle to a new level, resulting in a material core with higher environmental credentials, earning important green ratings for your building.

All of which means IPN-QuadCore can make a significant and lasting difference to your environmental performance figures while enhancing the sustainability of your building.

In addition, carbon emissions can be reduced with IPN-QuadCore’s better thermal performance, particularly when implemented with an optimised building design approach.
Pre construction

During construction
The earlier we are involved, the more value we can add to your project.

We can help with lower upfront costs through more informed specification and also an improved return on investment throughout your build and beyond.

We will show you how IPN-QuadCore delivers lower material costs, lower maintenance costs and reduced energy bills for life.

All journeys begin with a single step.
Kingspan is a business with an ambitious vision – we’re transforming our buildings to net-zero energy by 2020 and we’re on an innovation path to make this a reality for built landscapes across the world.

IPN-QuadCore is one of the many steps in innovation we are taking to make this a reality, while delivering hard business benefits.

It’s a vision that we believe is essential, not just for environmental reasons, but to ensure healthier, safer and more profitable buildings for the next generation.

To discover more about IPN-QuadCore and how it can enable you to achieve high-performance, fire-safe buildings with enhanced environmental credentials, visit: ipn-quadcore.co.uk