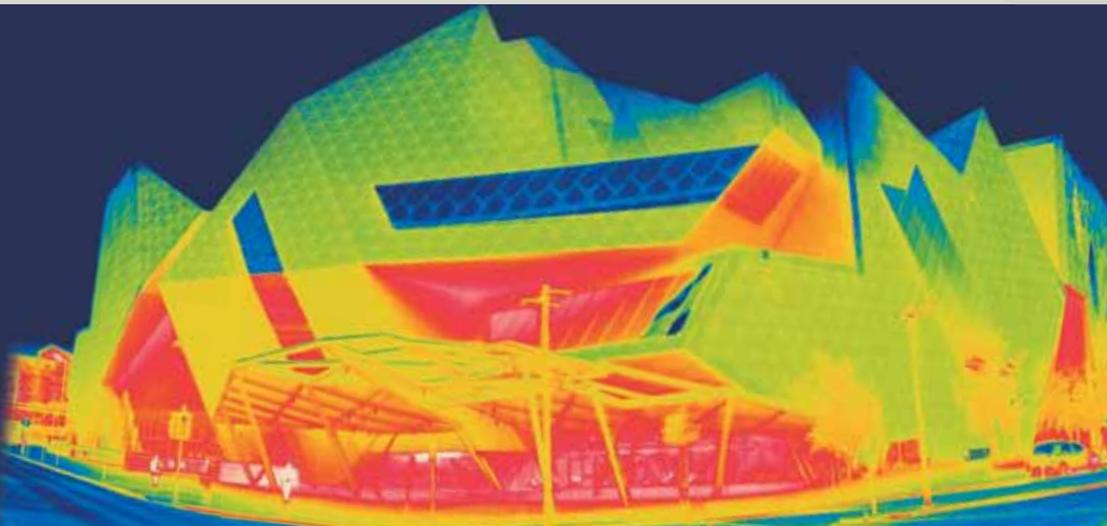




# Kingspan Insulation at a Glance



- Australia's most trusted insulation brand
- High performance rigid range, zero ODP
- Expert technical advice
- Industry-leading service
- Let us help future proof your buildings



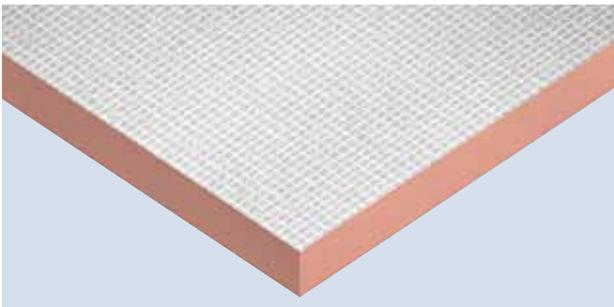
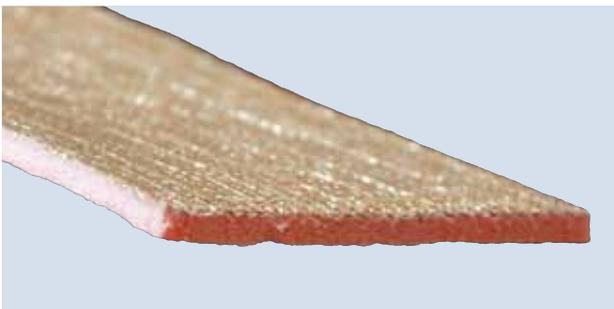
*Low Energy –  
Low Carbon Buildings*

# Welcome to Kingspan Insulation

Kingspan Insulation is a market leading manufacturer of innovative ultra-thin flexible insulation products and super high performance rigid insulation products for building fabric and building services applications. Kingspan Insulation is committed to providing the world market with high quality, innovative products supported by technical expertise and customer service which is unsurpassed in the industry.

Kingspan Insulation has a vast product range including optimum performance next generation insulation solution **OPTIM-R™**; super high performance rigid thermoset phenolic **Kooltherm®** insulation; flexible fibre-free reflective insulation **AIR-CELL®**; high performance rigid **Therma™** insulation; and high performance rigid **Styrozone®** insulation\*. The extensive range of products is suitable for a variety of applications including:

- pitched roofs;
- flat roofs;
- tapered roofing systems;
- cavity walls;
- solid walls;
- insulated dry lining;
- timber and steel framing;
- externally insulated cladding systems;
- externally insulated render systems;
- floors;
- soffits; and
- ductwork in building services applications



Kingspan Insulation also supplies:

- **Kingspan Thermabate®** Cavity Closer;\*
- **Kingspan TEK®** range of structurally insulated panels;\*
- the **Kingspan KoolDuct®** System of pre-insulated ducting;
- Pre-insulated plenum boxes;
- **Kingspan nilvent®** - breathable membrane for roofs and walls\*

Manufacturing excellence, first class customer service and unrivalled expertise in meeting the needs of the market are just some of the many strengths that Kingspan Insulation offers to designers, engineers and contractors.

*\*Not currently available in Australia*



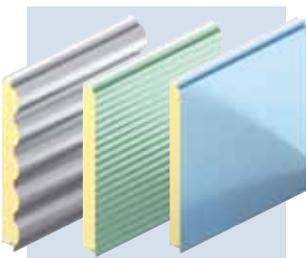
# Kingspan Group

Kingspan Insulation is a Division of Kingspan Group plc, one of Europe's fastest growing building materials manufacturers. Kingspan Group was formed in the late 1960's and is a publicly quoted group of companies with its headquarters in Kingscourt, County Cavan, Ireland. Kingspan Insulation is consequently able to draw on the many resources and support of a focused, innovative group.

Kingspan Group has manufacturing, distribution and commercial operations throughout Europe, North America, Australasia and other locations across the globe.



## Product Groups



### Insulated Panels

- Insulated Roof & Wall Panels
- Kingspan Energy
- Benchmark Architectural Façade Systems
- Dri-Design Architectural Wall Systems
- Controlled Environments
- Structural Products & Systems
- Steel Building Solutions
- Insulated Door Components



### Insulation

- Insulation Boards for Roofs, Walls & Floors
- Engineered Timber Systems
- Pre-Insulated Ductwork
- Pipe Insulation



### Environmental

- Fuel & Energy Storage Solutions
- Wastewater & Rainwater Management
- Renewable Technologies
- Environmental Services, Telemetry & Monitoring
- Hot Water Cylinders



### Access Floors

- Raised Access Floors
- Airflow Management



### Light & Air

- ZeRO Energy Lighting
- Roof Daylighting
- Wall Daylighting
- Intelligent LED Lighting

# Insulation for Roofs, Walls and Floors

Kingspan Insulation's global presence means that expertise and knowledge can be transferred and shared easily and quickly into new territories and markets.

As international architecture practices continue to grow with portfolios and clients across borders, Kingspan Insulation's technical and logistical support as well as global product availability becomes increasingly important.



Passiefhuis, Duiven, Holland



ExCel Centre, London, UK

Kingspan Insulation's products are used in new build and refurbishment, domestic and non-domestic sectors backed up by service and quality controls you would expect from the Kingspan brand.

Specifiers, architects and contractors are fully supported by technical expertise, calculations and advice to give complete peace of mind throughout the design and build.



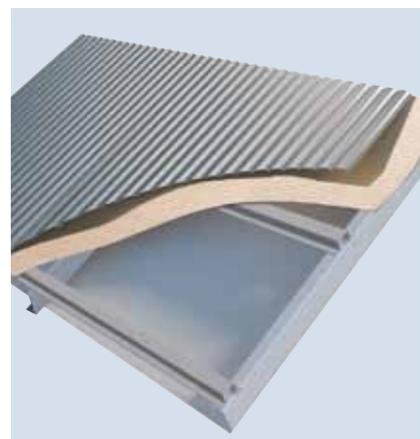
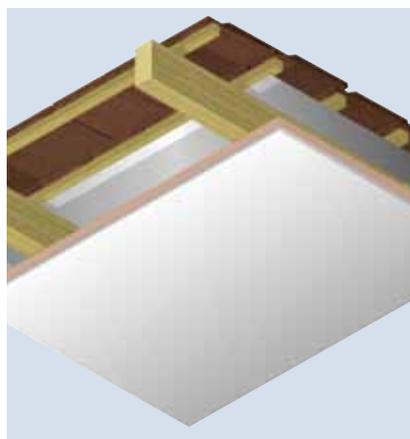
Geelong Library and Heritage Centre,  
Geelong VIC



Ringwood Heights Primary School  
Refurbishment, Melbourne VIC



Elwood Home, Melbourne VIC



# The Importance of Insulation and Energy Efficiency

## Why Insulate?

Insulation is one of those ubiquitous items that is always around, always impinging on our work, social and domestic activities and yet for most of the time hardly noticed. Insulation is a passive product. Once installed it works efficiently, quietly and continually, usually out of sight, enclosed within a structure, a casing or under cladding.

Insulation comes to the fore when the design of buildings, plant, equipment or production processes is being considered. It is at this stage that the right specification must be made. Specifying the wrong thickness or type of insulant and incorrect detailing will prove costly to rectify at a later date.

Poorly performing or inadequate insulation means more energy is needed to heat and cool a building, therefore wasting fossil fuels and resulting in higher CO<sub>2</sub> and other greenhouse gas emissions. Research has shown that better building insulation is an easy and effective way of tackling the issue.

By the adoption of better insulation, CO<sub>2</sub> emissions can be significantly reduced and enormous financial savings made for the client and the nation as a whole.

As a responsible leading manufacturer, Kingspan Insulation is committed to energy efficiency and prides itself on producing quality insulation products that will perform as specified over the lifetime of the building.

## New challenges call for new ways of thinking

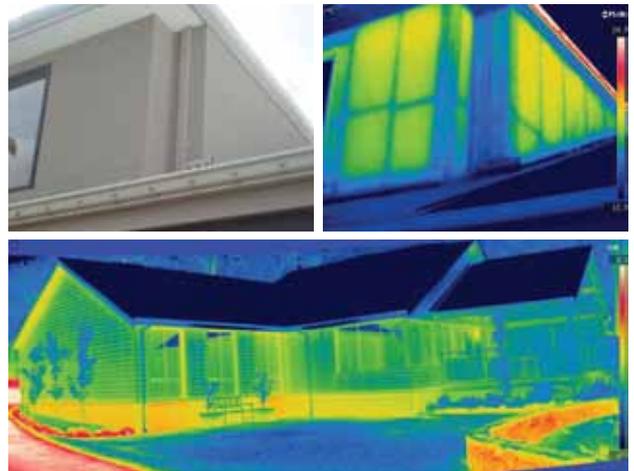
Heating and cooling can account for up to 40% of a building's energy use, and with both regulatory and voluntary pushes to improve energy efficiency, we're faced with new challenges in design, performance, health and overall sustainability.

Conventional ways of insulating building envelopes simply aren't enough anymore. That's why Kingspan Insulation has developed insulation products and systems that overcome some important challenges in energy efficiency and future-proofing our buildings - issues such as wall thickness, condensation and thermal bridging.

## Superior service for superior thermal performance

There are two components to effective insulation: choosing the right product and determining how and where it should be installed. To ensure you get both parts spot on, Kingspan Insulation partners with you every step of the way.

Your Kingspan Technical Service Consultant will tailor design a solution to the specific thermal, condensation and design challenges of your building. Naturally, we make sure it complies with the National Construction Code (NCC).



At this stage, we also give you the option of a customised Thermal Performance Calculation (TPC) for your particular roof, wall or underfloor profile. This report helps streamline your project documentation by detailing precisely your NCC thermal requirement compliance.

Our Technical Services team can also offer customised condensation risk advice for your projects, so you always get the right advice for the right application.



# Contact Details

## General Enquiries

Tel: 1300 247 235

Email: [info@kingspaninsulation.com.au](mailto:info@kingspaninsulation.com.au)

*Kingspan Insulation Pty. Ltd. reserves the right to amend product specifications without prior notice. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein. Please check that your copy of the literature is current by contacting us or visiting [www.kingspaninsulation.com.au](http://www.kingspaninsulation.com.au)*



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