

Majura Park



Project **Majura Park**
Location **Canberra**
Product **KS 1000 MR Micro-Rib**
Architect **Daryl Jackson Alistair Swayn**
Contractor **Construction Control**
Installers **Erincole
Canberra Building Services**
Building use **Offices**

Case Study

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Kingspan®

Insulated Panels

Majura Park Office Design Flies with High Performance Kingspan Insulated Panel Design

With buildings today accounting for 40 percent of energy consumption in developed countries according to the Organization for Economic Cooperation and Development (OECD), and buildings responsible for 23% of Australia's total greenhouse gas emissions, energy efficient solutions for design are the urgent concern of all in the architectural and building industries.

Demonstrating their national design leadership in this regard, award winning Canberra architectural firm, **Daryl Jackson Alistair Swayn**, have selected **Kingspan high performance insulated wall panels** for their design of the **Majura Park office buildings in Canberra**. Impressive and high-tech, these three office buildings on Majura Road, have become significant features of the Canberra airport skyline. Owned by the Capital Airport Group, Majura Park is situated on airport land adjacent to the runways. Together, the buildings will provide over 25,000 m² of new office space on a former rural space. Some 10,000m² of **Kingspan's KS 1000 MR Micro-Rib cladding system** was used throughout.

Enriching the arrival experience to the National Capital at the airport, the design celebrates a high impact, sleek contemporary minimalism. Their elegant façade design embraces crisp uncluttered blade architecture through the use of a striking combination of Kingspan's Atlantis Blue and Pearl White metallic insulated panel colours.



Kingspan's Marketing Manger Helen Flood comments:

"Globally, Kingspan has been leading efforts in energy efficiency and sustainable construction in the building materials sector. This local project gave us a wonderful opportunity to demonstrate the considerable performance and aesthetic benefits of Kingspan's internationally accredited insulated wall panel technology to the Canberra market."

Architect Scott Hodgson of Daryl Jackson Alistair Swayn: *"We specified Kingspan insulated metal panels because of their excellent energy performance, fire resistance and high level of durability. The Majura Park office buildings incorporate many cutting edge environmental technologies for which Kingspan has played an important role."*

But a triumph in aesthetic impact is not all that Kingspan delivered in the buildings. The selection of the innovative Kingspan KS 1000 AWP MR solution for the building also flags the embrace of the latest in sustainable construction practices by one of Canberra's leading design firms. The Kingspan panels achieved a maximum thermal performance for the building, with a thermal rating, that is double the effectiveness of comparable insulation systems on the market. Importantly it provides a revolutionary new design and construction approach which requires thinking at the very beginning of the design process about the impact of the Kingspan technology will have on the design process. It forms an important starting point on a roadmap to transform high performance building industry practices in the region.

For example, because the panel span lengths are long, there is a reduction in the secondary steelwork that is required which in turn translates to reduced structural costs. As an off-the-shelf solution to the BCA Section J thermal regulations, using a highly efficient built-in insulation combined with insulation panel technology, the system is faster than traditional concrete construction and requires far less labour. This brings with it cost savings in terms of occupational health and safety. In addition, its superb design with hidden fixings and a range of ancillary components to complete the desired look, ensures invisible joints between panels and a stable thermal environment within the building.

Mr Hodgson continues: *"Working with Kingspan from the early stages of the project allowed us to take advantage of the light weight and long spans of the panels to create significant buildings with a great visual appeal. We are delighted with the performance of the product."*



Green buildings make good business sense as they attract and retain investment, customers and staff. This is the logic that flows from the way they reduce operational expenditure and limit exposure to rising energy prices as Australia moves rapidly towards an emissions trading scheme.

John Sim acting on behalf of Construction Control the building contractor comments: *"The Kingspan product was very good and we were very happy with the result. We worked with two installers over the 18 month construction period, applying the*

façade panels to the steel structure as the buildings progressed. While the panels were quick and easy to install on flat wall applications, for more complex spaces, such as the shapes around the steel structures around the sunshades, we cut the panels on site."

Installation company director, Wayne Richards, whose company Erincole completed the cladding of two of the buildings: *"Kingspan panels were quick, easy to use and faster to install than comparable systems. The product suits the Canberra climate and is ideal for commercial buildings here."*

Craig Grant, Project Manager of Canberra Building Services, an installation company responsible for the completion of the final building: *"Kingspan is definitely the best sandwich panel system that we have worked with."* The company worked with panel lengths of up to 11 metres on the project.

He continues: *"After a short learning curve as first time users of the product, when progress was slow, we found our feet and then installation became easier particularly because of the very nice way the panels slotted together as they have very well designed joints."*

A major reason for the building's stunning presence is the colour selection used for the wall cladding systems. They are just a few available from the wide range of colours and finishes available in the Kingspan range. They were specified to support the prestige and prominence associated with the buildings. Architects, engineers and designers have shown unprecedented approval for this latest design coup in the Australian National Capital.

Helen Flood Kingspan Marketing Manger: *"Kingspan are market leaders in insulated panels technology and the company is not content to simply produce premium performance panel systems; we also look to achieve that extra edge in innovation and design for our products. This particularly is true for Kingspan panels as not only can they be installed up to 50% faster than site assembled, built up alternatives, but the system also has lower lifetime costs because it requires less maintenance."*

Kingspan insulated walls panels comprise the external finish, bonded to a rigid insulation core with a prefinished internal liner. The systems offer an all-in-one package. With its water tight panel design, an insulation material that has double the thermal performance of most other insulations commonly in use such as insulation batts and polystyrene, and spanning capabilities that can reduce the purlin requirement by half, the system revolutionises the traditional construction process.

Kingspan reserve the right to amend product specifications without prior notice. The information, technical details and fixings advice are given in good faith but are intended as a guide only. For further information please contact Kingspan Insulated Panels.

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