



Main Micos Group's new IGU suite contributed to both the appearance and energy efficiency of the building. **Insets** Sliding or revolving, Micos Group can design the glass door you want.

Design, engineering and production capacities of the highest order went into the façade envelope of The ApARTments at NewActon Stage 2. Micos Group developed an entirely new Insulated Glass Unit (IGU) suite for the project, which not only delivered the distinctive artistic appearance the architect wanted, but also made a major contribution to the project's outstanding energy efficiency.

The façade had to be designed and engineered with particular reference to the slab edge to ensure it appeared to be curtain wall, even though a slab to slab system was used. The entire façade envelope aside from the composite sheet cladding was fabricated and installed by Micos expert teams, and included sliding doors, awnings and fixed panel windows.

Micos had a team of seven people working on research and development, drafting, technical, and project management for a period of four to six months to develop the new profiles with the engineers and architect, and to finalise the shop drawings and details which enabled the company's manufacturing operation to cut the new profiles for the project. Up to twenty staff worked on site undertaking the installation, over a period of six to eight months.

"It was a pleasure working with FKM Architects and PBS Building on such a challenging project. The main challenge was designing the new suite to ensure compliance with thermal, structural, acoustic, wind load and aesthetic appeal," said Con Micos.

"The onsite installation required detailed planning for vertical and horizontal movement to the install position.

"The project is the highest star rating for energy efficiency, hence all the façade is Insulated Glass Units (IGU's). It will be a benchmark for units not only in Canberra but in Australia. With the installation of IGU's, this will allow the occupants to minimize their use of heating and cooling devices, saving energy and the environment."

Micos also supplied and installed some of The ApARTments finer details with special shop front and entry lobby foyers featuring revolving doors, all with Architectural curved glazing.

With a track record stretching back to 1958, the Micos Group have a depth of knowledge

on acoustic, thermal and wind compliance which has been showcased on other high profile projects around the country. They specialise in glass and aluminium façade solutions, including high-rise residential aluminium windows and doors; high-rise Unitised Curtain Wall; Public Works; and Architectural and Frameless Glass Entries. The company has the design and engineering capacities to deliver detailed project-specific products, matched by a 13,300m² factory complex with state of the art equipment enabling sufficient manufacturing capacity to meet the needs of large numbers of concurrent major projects.

Currently, Micos is at work on the entire façade for the Soleil Meriton project in Brisbane. Soleil is a 77 storey masterpiece of residential apartments in Brisbane CBD, encased exclusively with Micos products. These include Unitised Curtain Wall, complemented by awnings, composite cladding, vertical glass feature fins, express box beads, feature glass boxes, horizontal extruded sunshades, awning windows, frameless glass and auto entries.

Other projects displaying Micos expertise include the Gloucester Street Apartments for St Hilliers in Sydney and The Royal for Mirvac at Newcastle.

The company's staff of 115 has a skill base including estimating, drafting, project management, procurement, production, research & development, installation, maintenance and service, all with a wealth of knowledge gained from five decades of product development and successful installations. Growing from beginnings in the door and window trade in inner city Sydney, the family run operation has expanded their capacities in leaps and bounds, while maintaining core values of integrity, quality and ongoing innovation.

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