



## SUPERIOR EXTERIOR

The \$165 million Mater Mothers Hospital redevelopment project will provide additional beds and extra facilities to Australia's largest maternity hospital.

For the Mater Mothers Hospital project ACLAD were responsible for the Alpolic FR cladding, the Kingspan Wall Cladding and the Creaton Tile Wall Cladding.

Architectural Cladding Solutions Pty Ltd (ACLAD) were able to provide a solution to the problem facing the architects and builders in where the original façade specification was not able to meet the functional requirements of the design life of the building. ACLAD designed a completely new façade to the one originally specified, and created a pressure

equalized system that has a design life of 50 years. The original design consisted of paint and panel finishes with a life of only 20-25 years, which is very impractical for an extremely busy and maintenance sensitive hospital.

ACLAD used many high quality materials to achieve the 50 year lifespan, including Alpolic FR 6mm for the external skin. Fluoro-polymer paint technology comes as standard on Alpolic - there is no other paint technology in the world that comes close to the 50 year life expectancy of this paint.

ACLAD are a relatively new company, having only been established for 2 years, however their team of industry experts have been in the composite cladding industry for over 10 years.

Their professionals have a wealth of knowledge and expertise that has been vital in the success of Aclad over their short existence.

ACLAD, together with the Façade engineer and systems specialist designed and implemented an aluminum composite panel (ACP) panel system called the ACLAD 2000 Dry Joint System. ACLAD's system removes the requirement for sealant on the panel system and as a result clients can be assured of no major maintenance costs every 10-15 years when the sealant fails.

Everything from expansion, contraction and inter-storey movement is accommodated for on each panel using the ACLAD 2000 System through clever design. All left over materials, such as off cuts, are used in the joint reveal

to hide the stainless steel fixings. The use of the 6mm Alpolic further accommodates the window cleaners who are able to abseil down the facade without damaging the light weight façade.

The creation of the ACLAD 2000 System has done away with the reliance on sealants realizing enormous benefits and savings for the building owners in terms of the future cost of maintenance. Using the ACLAD 2000 System, paneling can be installed to the building structure either left or right, top down or bottom up and, more importantly, allows ACLAD to backfill missing panels once the scaffold ties are removed.

Using the ACLAD 2000 System, the build speed becomes very efficient as the building

structure can now be closed up and sealed sooner using Zinalume air seal sheet. For any average sized project this can be applied at 100-200 m2 per day. Once the building is air-sealed, weather sensitive internal trades can begin to proceed earlier in the project as compared to a sealant based building façade. ACLAD then continues to complete the installation of the panels leaving sufficient time to set the line of the façade and panels to perfect alignment.

ACLAD sustained a strong working relationship with builders - Abigroup - where quality and a long term outcome were at the forefront of their agenda.

ACLAD were provided with the opportunity to design a system for the Mater Mothers Hospital that was 'fit for purpose'. ACLAD have a focus

on quality, care and expertise, to achieve the best results possible from any project and this is exemplified from the results and timely finish of the Mater Mothers Hospital.

So, whilst the doctors and nurses are providing the best of care around the clock inside their new hospital, the work completed by ACLAD means that minimal care is required on the outside for a very long time thereby allowing precious hospital resources to be devoted to health and medical outcomes.

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