

Success Story

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Wollongong University - Student Accommodation
Slab formwork - Dokadek 30



Success Story

Hutchinson Builders was selected by Living & Learning Custodians to develop the University of Wollongong Student Accommodation. The new student residences on Northfields Avenue at the University of Wollongong will deliver a unique and contemporary accommodation solution that complements the strengths and qualities of the campus. These three buildings, each with seven stories, will be connected via covered walkways to encourage student interaction.

The project's formwork contractor, Formsite Pty Ltd, selected the newly developed Dokadek 30 Panel System for this remarkable residential project. Doka Australia provided a total of 6,000m² of Dokadek 30 Floor Panels for two buildings.

The challenge

The University of Wollongong Student Accommodation project presented several challenges:

The biggest challenge was to find a system which could get trades up on the deck within three days. It was challenging to find a solution with high productivity and no gaps left in the system to ensure trades worked safely.

Another challenge was having a system which worked very well with infills. Formsite did not want to change the system in any part of the slab – they wanted to save time and go right through to all of the edges without any problems.



Matt Anderson

Project Manager, Formsite Pty Ltd

"I highly recommend Dokaflex system and Dokadek 30 Panel System. We are very very happy with it.

"The reasons why we like the system include: Speed – quick up and down; good quality off-panel finish; easy to manoeuvre around site; equally effective for high strutting floors; easy to transition from panel to conventional formwork with the use of the infill beam; prop centers allow excellent, easily delineated access under formed deck; and not many components so easy to manage on site."

The custom orientated solution

“We were able overcome these challenges by using the flexible infill system with the **Dokadek 30 slab formwork system**,” Stephen Lake, Project Engineer Doka Australia said. For infill areas, the Dokadek system is fully compatible from both an engineering and safety standard with all other Doka formwork products. There is also a range of infill panels and beams to suit the most common occurrences. “Using Dokadek infill beams and H20 beam suspension clamps, infill areas around columns and between the panels the Dokadek 30 system integrates seamlessly into our Dokaflex slab formwork system,” explained Stephen. “For typical infill areas around a single column, the use of the H20 suspension clamp means there is no need for any extra props to be used. Additionally, by simply inserting the infill beams and laying your plywood down on top, the Dokadek infill beams also allow for infills between panels to be formed without the need for any extra beams or props,” he said.

Benefits

- **Extraordinarily fast forming** by integrating both the typical and infill zone
- **Handling-method is easy to understand** as the workflow is so logical and obvious
- **Extra-safe working** as the system is set up working from the ground

Developed with a focus on **speed, safety and versatility**, the Dokadek 30 system sets a new benchmark in panel formwork systems.

One of the key benefits of the Dokadek 30 system is that it **only has three main components**, namely: the prop, the head and the panel. As well as streamlining

logistics and on-site component storage, Dokadek 30's **minimal inventory** can help to eliminate on-site confusion with incorrect parts.

The **panel sizes** have been specifically designed to deliver the ideal combination of large area (thereby minimizing the number of panels required) and easy handling – an ergonomic design incorporating the largest possible area while still remaining a **practical and easy-to-handle size**.

Another key benefit is the speed of the system due to the size of the panel allowing the ideal combination of covering large areas (thereby minimizing the number of panels needed). Another plus is easy handling, requires up to 40% less gear meaning less labor on site and less crane time in movement.

The Formsite team was also pleased with the **safety features** of the panel system. Dokadek 30's unique design means that it is erected from below; it cannot be put together from the top down. This not only means that the formwork crew can see that they're putting it together correctly; it also eliminates the risks associated with crews standing on an unstable surface or working from above.

“The lockable head means the panel can only be installed from the ground. This reduces the temptation to install it from the top. In short, this makes for a safer system,” Stephen Lake added.

Furthermore, the finish of the concrete is better due to the plastic faced plywood. Another bonus is the panel size allowing fewer joint lines compared to our competitors' systems.

For more information about Dokadek 30, please visit our website:

www.doka.com/dokadek-30



Jonathan Derbyshire
Senior Sales Representative,
Doka Australia

“From the beginning the collaboration with Formsite went very well. Site training and demonstrations at the project's start ensured everyone working on the project was on the same page and the production pace was high. We have ensured Formsite will only use one system and one design on site – a seamless approach delivering savings in time and labour costs. Also, using the Dokadek 30 Panel System meant they worked from the ground, a much safer way than conventional systems.”



About Doka Australia

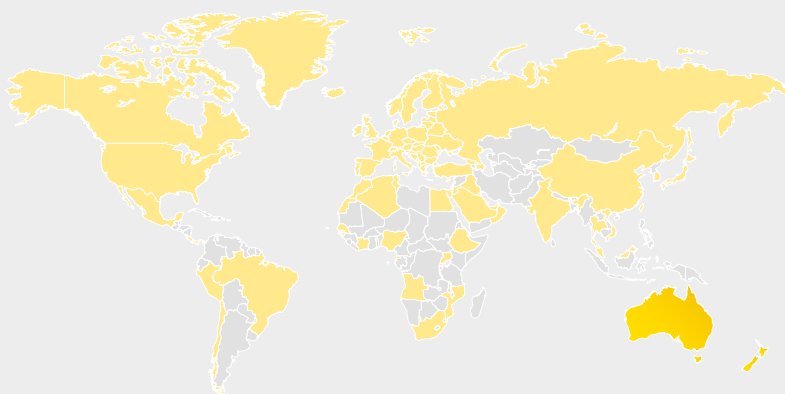
Your reliable Formwork Supplier

Doka Formwork Australia (Pty) Ltd. is a fully owned subsidiary of Doka Austria. Established in July 2011, Doka has branches in Brisbane, Sydney and Melbourne, servicing customers across Australia, and is also expanding into Western Australia.

Doka has a large client base that includes major construction companies, and has supplied a variety of prestigious projects locally and globally. These projects were successfully completed using Doka Formwork Systems such as the Dokaflex and Dokamatic Floor formwork systems, Large-area formwork Top 50, Automatic climbing formwork SKE50 plus, Protection screens Xclimb 60, SCP climbing systems (non-crane lifted), Climbing formwork MF240, Framed formwork Framax and the Load-bearing towers Staxo.

Employing Project Engineers and Design Technicians at all of its branches, and backed by the various Technical Competence Centers in Amstetten Austria, Doka Formwork Australia can provide all the necessary technical back-up to their Formwork Systems.

In keeping with its focus on customer service, Doka provides a 'one-stop shop' for formwork – from design and engineering services, through to training (both on and off-site), logistics and, of course, formwork supply. Doka Formwork Australia has the commercial solution in place to align with your financial and cash flow requirements.



More information at
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