

Project: Baiada Chicken Shed Slabs

Products: ONEMESH® MADE TO SIZE

Accessories

OneSteel Reinforcing hatches special size mesh for poultry shed development



To accommodate the expansion plans of Australian poultry giant Baiada, Yoogali Concrete Constructions has completed the first two of four chicken shed concrete slabs using a special size mesh from OneSteel Reinforcing.

Manufactured at OneSteel Reinforcing's Revesby factory on its state-of-the-art ATT mesh machine, the SL72 ONEMESH® sheets were increased in size from the standard 6 m x 2.4 m to 9 m x 3 m.

"This is the first time I'm aware of mesh being manufactured to this size," said Ivano Donadel, Director and Partner of family owned company, Yoogali Concrete Constructions.

"Initially, we were cautious because of the large size of the sheets. However, almost immediately after we started installation we saw time and labour savings. It's proved to be invaluable and saved six hours per shed, which is substantial."

Located at Darlington Point, approximately 50 km south of Griffith, NSW, each shed is 150 m long and 14.5 m wide.

Left: Tying the 9 m x 3 m ONEMESH® for the 150 m long x 14.5 m wide chicken shed.

Above: Bent mesh in six metre lengths lap onto the base mesh to create 500 mm bunding walls. Special-size 9 m x 3 m ONEMESH® can be easily carried and placed by three men.





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Economical*

The products can give more cost-efficient cover and economy in the number of sheets or bars, or the volumes of steel needed to efficiently reinforce the structure and meet the design intent of the project.

Environmental*

OneSteel’s manufacturing of reinforcing steel utilises energy reducing Polymer Injection Technology and recycled scrap content.

*Supporting information for specific OneSteel Reinforcing ECO-REO™ products is available at www.reinforcing.com in the ‘Technical Resources’ section.

Standard ONEMESH® provides coverage of approximately 12.5 square metres when lapped. With the larger 9 m x 3 m sheets, coverage is almost doubled. “Five sheets fit exactly within the width of the shed,” said Ivano. “Each sheet has a 100 mm lap with the fifth sheet having a 300 mm lap. This configuration virtually eliminated cutting and wastage.”

The 160 sheets of special size ONEMESH®, which was manufactured specifically for the project, were delivered directly to site. OneSteel Reinforcing also supplied SL72 bent mesh in 6 m lengths. These bent sheets lap onto the base mesh and were used to reinforce 500 mm high bund walls that run the length of the sheds on either side.

The sheds are divided into three pours. Connolly key joints with 16 mm dowels, both supplied by OneSteel Reinforcing, were used at each pour break. “OneSteel Reinforcing supplied all the accessories for the project including bar chairs, polythene plastic, tie wire and joining tape,” Ivano said.

“Having a site that’s out of town, it was important for productivity that everything was delivered as a complete package. If something’s missing you just can’t drive to the branch and pick it up, so the whole project stops and you have 10 guys on site not doing anything.

“We’re working to a tight time frame. We have completion dates that have to be met. The larger mesh significantly adds to efficiency. It’s a great innovation for large slab projects,” he added.

Ivano says that OneSteel Reinforcing’s ability to customise mesh sizes for a specific project, manufacture it on a short lead time and deliver it to site is a great advantage not available from other reinforcing steel suppliers.

“These are the first two sheds, with another two scheduled to be built early 2011. Over the course of Baiada’s expansion plans there could be 10 or more sheds needing to be built.

“On big slabs like these, having the option to use the 9 m x 3m ONEMESH® from OneSteel Reinforcing is absolutely brilliant. I’d have no hesitation ordering it again,” Ivano said, enthusiastically.

“Yoogali Concrete Constructions has been in business for over 35 years. Over the past 15 we have established a strong relationship with OneSteel Reinforcing. We receive excellent service and support and I see that continuing in the future.”

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