

Project: Rodney's Transport Services
Warehouse Slab
Wagga Wagga, NSW

Products: ONEMESH® MADE TO SIZE
SL82 mesh & accessories

ONEMESH® MADE TO SIZE mesh reduces costs for warehouse slab



Construction of a 5,600 square metre slab for a major new warehouse in Wagga Wagga, NSW, brought together local concreting contractors and a time and money saving mesh solution from OneSteel Reinforcing.

When builder Ben Jones won the contract for the 80 metre by 70 metre slab at a new recycled automotive battery storage warehouse within the Rodney's Transport Services compound he knew his firm would need additional resources.

OneSteel Reinforcing had become aware of the project which Ben Jones Constructions was about to undertake and suggested using ONEMESH® MADE TO SIZE mesh to save time, money and labour.

OneSteel Reinforcing can now offer this innovation to Australian concretors. The state-of-the-art ATT mesh machine at its Revesby plant in Sydney can produce ONEMESH® MADE TO SIZE mesh in sheet sizes up to 9.1 metres by 3 metres.

"We could see the benefits immediately," Ben Jones said. "We sat down with OneSteel Reinforcing, went over the plans and calculated a mesh sheet size increased from the standard 6 m x 2.4 m to 6.505 m x 3 m. That suited the dimensions of the pours we could easily handle."

Left: Half the warehouse slab floor completed in 5 days with considerable time savings using ONEMESH® MADE TO SIZE.

Above: The larger ONEMESH® MADE TO SIZE sheets suited the dimensions of the pours.





“My experience on this job is that the mesh has gone in quicker and easier, with less men. Because the cutting is eliminated, you save on labour and you’re not throwing away mesh.”

Ben Jones, Construction Manager, Ben Jones Constructions.

“I’d say it has reduced our costs by at least a third.”

Ben Jones, Construction Manager,
Ben Jones Constructions.



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.

Local firms, Beef’s Concreting, Brad McGarry’s Concreting and Jordan Hobbs Concreting supplied additional labour for the slab, with Ben Jones Constructions organising the ONEMESH® MADE TO SIZE mesh.

“This was probably the biggest job I’ve handled, so it was important to keep costs under control and to deal with a mesh supplier we could rely on,” Ben said.

“We talked to OneSteel Reinforcing, placed our order and then the mesh was MADE TO SIZE and delivered to the construction site within a couple of weeks.

“With a pour planned each day for ten days, the larger sheets gave us exactly the width we needed for each pour.”

Where standard ONEMESH® provides coverage of approximately 12.5 square metres when lapped, the ONEMESH® MADE TO SIZE mesh sheets used on the Wagga Wagga warehouse slab covered 18.87 square metres.

“You are not cutting sheets and there is no waste whatsoever, so that’s where the cost comes down.” Ben said.

Concretor Jordan Hobbs was equally impressed by the time savings achieved with ONEMESH® MADE TO SIZE mesh sheets.

“Each day’s pour is 470 square metres,” he said. “In an hour four men can mesh it, tie it and chair it. I reckon that is a saving of about an hour on what it would take using standard size mesh sheets.”

Leith Moore of Beef’s Concreting has been concreting for 20 years, but the Rodneys Transport Services warehouse was a first for him too.

“This is the first time I’ve used ONEMESH® MADE TO SIZE mesh sheets,” he said “It’s been brilliant. There’s no cutting to make sheets fit and that also means there is far less tying.”

“On a job this size the manpower to carry in the large sheets is balanced by having to make fewer trips overall. “Also, you don’t need one man cutting sheets full time and another tying full time.”

All concretors involved with the warehouse slab project said they will include ONEMESH® MADE TO SIZE mesh in their future plans.

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