



Prefabrication.

Customer: Citywide Precast, Victoria
Project: Precast structural panels
Products: BARMAT™ reinforcing mats



Citywide Precast reinforce their reputation for quality and efficiency with customised prefabricated BARMAT™ reinforcing mats available only

As a specialised precast concrete panel manufacturer with over 30 years' experience and expertise in the design, production and installation of structural and architectural concrete construction panels, Citywide Precast's professional team know a great product when they see it. And they've seen great results with BARMAT™.

"We pride ourselves on taking an innovative, flexible and professional approach in order to provide the best service for all of our clients, ensuring that the whole operation runs smoothly from start to finish," Managing Director Phil Marchese said. "And for the last two years, OneSteel Reinforcing's outstanding BARMAT™ product has played a major part in our efficiency and ability to deliver for our many clients."

BARMAT™ Class N Reinforcing Bar Mats are an innovative new OneSteel Reinforcing solution that offers prefabricated mats which can be customised with variable spacing and in a variety of shapes including 3D designs.

Coupled with OneSteel Reinforcing's design assistance, BARMAT™ can be produced to exact client specifications to enable faster installation, reduced labour and steel fixing costs, less off cuts and wastage and can also contribute to Green Star steel credit points for optimal offsite prefabrication.

Citywide Precast engineer Allan Evans is very clear, and excited, about the many benefits that prefabricated BARMAT™ offers the company, from saving huge amounts on wastage to vastly improving efficiency.

"BARMAT™ adds to our efficiency in several areas because we're not cutting fabric, we're not casting fabric and we're not manually tying the steel together because the BARMAT™ is automatically welded and comes to our premises ready to drop in the mould the following day," Allan explained.



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Allan Evans, Precast Engineer – Citywide Precast



“Reinforcing another distinct advantage with using the BARMAT™ machine is that we electronically transfer our shop drawings to OneSteel Reinforcing, their computer reads it and automatically makes the BARMAT™ we need.”

“We can order mats up to 12 metres long and they may be 1 metre wide or 2 metres wide - whatever the width we require is made with no wastage, no lapping and no faults time.”

Mr Evans was also impressed with the ability of BARMAT™ to help Citywide Precast meet the needs of both engineers and architects.

“Reducing the overlapping of fabric sheets helps us to control the correct cover to reinforcement, helps with bunching and helps us fit the reinforcement required by the designing engineers into the thickness of the panel with great efficiency.”

“As projects are becoming more complex, project engineers want more reinforcement in the panels but the architect still wants a 186 panel or a 206 panel,” he said. “With the lapping of reinforcement it becomes very difficult to fit all the reinforcement that the project engineer wants into the panel thickness that the architect wants, so with one piece of steel it makes it a lot simpler and we can maintain the correct cover to reinforcement.”

“Engineers might also specify they want N20 at, typically, 200 centres. With the automatic BARMAT™ fabricating machine they can only accommodate 16mm and we’ve had no problem whatsoever changing from N20 bar to N16 bar at 125 centres or 130 centres, whatever the engineer requires.”

From their central operations plant located South East of Melbourne in Hallam, Citywide Precast have built an enviable reputation Australia-wide for excellence in creating diverse precast concrete products. These include natural exposed, coloured and textured architectural panels for residential, commercial and industrial projects.

Citywide Precast’s skills have been enlisted on visually spectacular constructions such as the Abito apartments in Fitzroy, the Carlton Apartments and the Western Heights College and Gordon TAFE in Geelong, along with many other small to multi-million dollar projects for both the government and private sectors.

For your local OneSteel Reinforcing branch contact:

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