

Project: Tram Road Doncaster, VIC

Products: 500PLUS® BAMTEC®

OneSteel Reinforcing's solutions package keeps Tram Road development on track



OneSteel Reinforcing has provided Galvin Construction with a complete construction solution package for its low income housing development at Tram Road, Doncaster in Melbourne's north-east. The fixed price package integrated a number of innovative construction technologies such as 500PLUS® BAMTEC® carpets, TRUSSDEK® permanent composite formwork and Supply & Fix®.

The nine storey development incorporates 98 apartments. Included is a variety of one, two and three apartments, with six apartments constructed to accommodate disabled tenants. The development also includes an additional roof structure and a three level secure basement with car spaces for each apartment.

This is the fourth project undertaken by Galvin Construction that has incorporated 500PLUS® BAMTEC® carpets and TRUSSDEK® within the design configuration.

"We use the 500PLUS® BAMTEC® because it's a very easy system to install," said Galvin Construction Site Manager, Alec Sims. "It's delivered to site, craned into designated positions on the deck, which eliminates double handling and is simply unrolled and tied off."

"The efficiency of 500PLUS® BAMTEC® is its greatest asset. The reinforcing steel for an entire floor can be installed in a single day," explained Alec, "Laying the steel conventionally would take up to two and a half days."

Left: 500PLUS® BAMTEC® carpets are unrolled over TRUSSDEK® permanent composite formwork.

Above: 500PLUS® BAMTEC® is craned directly from the delivery truck and placed in designated positions on the deck.

When craned into position 500PLUS® BAMTEC® is simply unrolled. Negating the need to carry and tie loose bar by hand.





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Alec Sims, Site Manager, Galvin Construction.

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Economical*

500PLUS® BAMTEC® carpets provide more cost-efficient cover and economy in the number of sheets used on projects.

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.

Tying steel is physically demanding and labour intensive. With the 500PLUS® BAMTEC® carpet system much of the manual handling of the steel is eliminated so there's a lot less strain on the steel fixers. "The steel fixers don't have to carry and tie loose bar or bend over all day, which adds to OH&S compliance," Alec said.

OneSteel Reinforcing's complete construction solution package delivers practical project benefits. Innovative products such as 500PLUS® BAMTEC® carpets and TRUSSDEK® permanent composite formwork save time and optimise construction activities. While specialist installation services leverage efficiencies and ensure quality. The complete Supply & Fix® solution further eliminates risk by allowing a fixed project budget to be locked in during the early project stages.

Alec says that with the level of service Galvin Construction receive from OneSteel Reinforcing, who schedule the deliveries of the 500PLUS® BAMTEC®, they know the steel fixers will be organised for that day.

"The Supply & Fix® package greatly assists with the management of the onsite labour force," he said, "If there's a delay due to weather conditions, we don't have to re-schedule the men, who may have commitments on another project.

"The backup service and support we receive from OneSteel Reinforcing is excellent. There's always a representative on site during the installation phases of the 500PLUS® BAMTEC® and TRUSSDEK®.

"They ensure the products are delivered on time, offer advice in areas we're not completely sure of and manage the steel fixers. It just makes the whole project run smoothly."

"Incorporating 500PLUS® BAMTEC®, TRUSSDEK® and OneSteel Reinforcing's Supply & Fix® package has been integral to the efficiency of the project. It's a system we will continue to use on future developments," said Alec.

Galvin Construction has been associated with numerous landmark buildings throughout Victoria for over five decades. Galvin Construction's architecturally awarded MiCasa8 student accommodation development in Swanston Street, Melbourne, also incorporates 500PLUS® BAMTEC® carpets and TRUSSDEK® permanent composite formwork from OneSteel Reinforcing. Similarly, "Vivida Apartments" in Hawthorn and "Infinity 8" Franklin Street, Melbourne, both adopted the complete construction solution by OneSteel Reinforcing.

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