

Swimming Pool Decking Support Replacement

The decking support beams of our client's swimming pool had corroded and needed to be replaced. This was originally constructed from traditional materials and did not last long being exposed to the environment. New structural beams needed to be installed to ensure safety. As there was already a foundation, the new beams needed to be of a similar height and had to be able to be incorporated into the existing structure.

Project Challenges

- The FRP structural beams needed to be of a similar height to the previous structure.
- The existing decking needed to be fixed down in the same way to the new support structure.
- Due to tight time constraints, the project needed a product that was in stock and the FRP solution needed to be executed quickly.

PROJECT INFORMATION

Project Category:	ArchitEX™ Structure
Scope of Work:	Replace corroded swimming pool decking support beams
Treadwell Products:	ArchitEX™ WHB & SHS Structural Sections
Value:	\$8,000

Treadwell Solution:



- 1 Treadwell had a ready range of structural sections from which to select the best suited product, coupled with sound technical advice.
- 2 ArchitEX™ FRP beams and sections were specified for the needs of this project. These were made from specially formulated resin that would withstand corrosion.
- 3 FRP brackets were supplied for beam to beam connections.
- 4 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.
- 5 Being lightweight and easy to install, FRP is very manageable during construction.
- 6 Given the nature of FRP, any system utilising it is virtually maintenance free, thus keeping maintenance costs as low as possible.

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ABOUT TREADWELL

At Treadwell Group, our core business divisions have been developed utilising the latest fibreglass reinforced plastic (FRP) technology. With constant innovation and evolution of our offerings, we grow in competence with each experience in delivering unparalleled solutions to a diversified index of industries which include the water and wastewater, mining, oil and gas, public infrastructure, marine sectors. The progression of our products has been focused on ensuring extended design life in varied applications, enabling us to support our continuing commitment to satisfy and add value to our client's endeavours.

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