

FRP Pump Support & Access Structure

Kalgoorlie, Western Australia – This fully Australian owned gold mine facility is a world class asset located adjacent to the City of Kalgoorlie-Boulder, approximately 600km east of Perth. The 1893 gold rush resulted in the discovery of the Golden Mile, one of the richest gold deposits in the world, producing more than 60 million ounces of gold.

As part of upgrades, pump support and access structures were needed for a Warman pump. Treadwell was engaged to supply the FRP products for these upgrades.

Project Challenges

- Traditional steel products required an intensive blast and paint regime due to corrosion from the reagents used in the mineral extraction process.
- There was a high volume of dust and debris that tended to stagnate on fixtures. The selected products had to maintain integrity in this exposure.
- Being exposed to the harsh climate, selected material had to have low thermal conductivity for user safety.

PROJECT INFORMATION

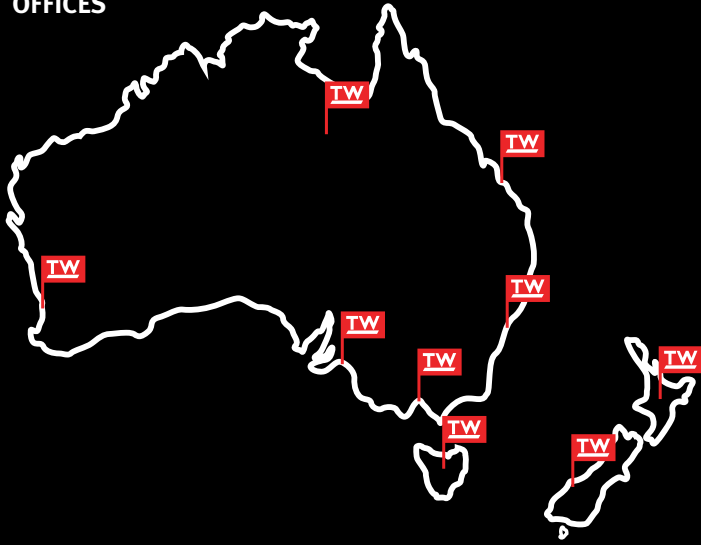
Project Category:	Mining Infrastructure
Scope of Work:	Supply FRP products
Treadwell Products:	GratEX® FRP Square Mesh Grating RailEX® ROUND FRP Handrails ArchitEX™ FRP Structural Profiles

Treadwell Solution:



- 1 The resin systems used in Treadwell's FRP products are customised to suit its application. This includes corrosion resistant properties, with a fire retardant formula.
- 2 The aperture of the GratEX® FRP Square Mesh allows maximum fall through of debris, minimising the impact of stagnant debris.
- 3 Treadwell's FRP products are RF transparent and has low thermal and electrical conductivity, ensuring user safety.
- 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, keeping maintenance costs to a minimum

OFFICES



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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SOUTH AUSTRALIA

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▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

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▶ **MELBOURNE (BRANCH OFFICE & WAREHOUSE)**

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▶ **WAGGA (REGIONAL OFFICE)**

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