

## Signal Access Platform

This train station located in New South Wales is off the beaten track, set in an idyllic location. Famously known for not being accessible via roads, this station is small and serves a handful of commuters and holiday home owners. As part of a maintenance and upgrade effort, a signal access platform needed to be installed along the train route.

Treadwell was engaged to design, engineer and supply the FRP products for this project.

### Project Challenges

- Being in a rail corridor, the material of the platform had to be non-conductive to ensure safety of the user.
- Being exposed to external weather conditions, the material had to have a non-slip surface.
- The structure had to be durable and not require regular maintenance due to its location being remote and not easily accessible.

### PROJECT INFORMATION

Project Category:	Signal Access Platform
Scope of Work:	Fully design, engineer and supply FRP EX-Series®
Treadwell Products:	ArchitEX™ FRP Structural Profiles EX-Series® GratEX® FRP Square Mesh Grating EX-Series® RailEX® ROUND FRP Handrails



### Treadwell Solution:

- 1 EX-Series® GratEX® FRP grating is designed to be high strength, and made as a single piece construction mesh panel. It is constructed from high-grade resin systems and provides superior non-conductivity.
- 2 Made with an anti-slip surface, it is hardwearing and tested to Australian standards.
- 3 FRP can be simply fabricated and modified on site. This makes any variance on task easily adapted to, especially in remote locations.

- 4 Being lightweight and easy to install, FRP is very manageable during construction.
- 5 Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.