

Fertiliser Manufacturing Facility

Koorangang Island, NSW – Operating on Koorangang Island, this company is a leading integrated manufacturer and distributor of fertilisers across the east coast of Australia. Their products support farming communities, which in turn feed millions around the globe.

Their facility in Koorangang had an access platform to transfer their pallets. Corrosion had set in, and deteriorated the structure beyond repair. A new structure was needed to allow for safe access for their personnel. Treadwell was engaged by Programmed Industrial to design and supply the FRP solution for this new structure.

Project Challenges

- The separate platform for pallets needed to be easily removable for repair and maintenance activities.
- The base plates of the platform needed to be on the inside of the frame to minimise trip risks.
- Structure needed to be able to handle loads of up to 1.2 tonnes.
- Corrosion was a key concern.

PROJECT INFORMATION

Project Category:	Industrial Access Platform
Scope of Work:	Design & supply FRP grating, handrail and structural profiles
Treadwell Products:	EX-Series® GratEX® FRP Square Mesh EX-Series® RailEX® ROUND FRP Handrails EX-Series® FRP StairTreads ArchitEX™ FRP Structural Profiles



Treadwell Solution:

- 1 The aperture of the GratEX® FRP Square Mesh allows debris to fall through, minimising the risk of stagnant debris, and creating a self-maintaining anti-slip surface.
- 2 Constructed from premium resin systems, Treadwell FRP products are corrosion resistant, making it ideal for this environment.
- 3 Treadwell FRP is lightweight and can be easily managed without the need for heavy machinery, addressing the requirement that the separate platform be removable as needed.
- 4 Treadwell FRP can be simply modified on site to any variance on task, without the need for any hot works permit.
- 5 Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.