

Chemical Manufacturing Plant

A diversified chemical manufacturer, this proudly Australian owned company has multiple plants in Australia and Malaysia. Established in the early 1970s, they have come a long way and have expanded their portfolio over the years. In addition to chemical manufacturing, their capabilities include related bulk chemical and fuels storage and handling, as well as terminal infrastructure management. One of their major business commitments is the focus on operational safety.

As part of the extension of their plant in Brisbane, Treadwell was engaged to supply the FRP grating and handrails.

Project Challenges

- The selected products had to be robust, durable and able to withstand constant exposure to a corrosive environment.
- Downtime for maintenance and repairs had to be kept to a minimum so as not to disrupt production schedules.
- Being outdoors, the selected material had to also take into consideration extreme weather conditions.

PROJECT INFORMATION

Project Category:	Chemical Manufacturing Plant
Scope of Work:	Supply grating and handrails
Treadwell Products:	EX-Series® GratEX® FRP Square Mesh Grating RailEX® ROUND FRP Handrails



Treadwell Solution:

- 1 Treadwell's EX-Series® GratEX® FRP grating and RailEX® ROUND FRP Handrails ensure durability with built-in corrosion resistant properties.
- 2 With a ready stock of GratEX® grating panels and RailEX® parts, repairs and replacements, if needed, are easily managed.
- 3 GratEX® stair treads moulded with a solid leading-edge stair nosing were used. This increases the rigor and sturdiness of the entire leading edge, ensuring dependable performance in high traffic situations.
- 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.