

Cardinia Fluoride Dosing Plant

A major producer of potable water, this crucial water treatment plant in Victoria disinfects water by using chlorine to kill potentially harmful micro-organisms and maintain public health. The water is also fluoridated and corrected for pH.

To ensure longevity of their internal structure, Treadwell was tasked with providing a solution that would allow for easy access to instruments as well as provide for levelled flooring.

Project Challenges

- Being in an environment that produces potable water, downtime for maintenance had to be kept to a minimum.
- The structure had to be robust, durable and able to withstand constant exposure to minerals and chemicals.
- Decking had to be elevated to facilitate ease of access to equipment.

PROJECT INFORMATION

Project Category:	Water Treatment Plant
Scope of Work:	Allow elevated decking to accommodate safe access to equipment.
Treadwell Products:	EX-Series® GratEX® FRP Square Mesh Grating EX-Series® Colossus EX-Series® RailEX® ROUND FRP Handrails ArchitEX™ FRP Structural Profiles



Treadwell Solution:

- 1** Corrosion resistant GratEX® FRP Grating are manufactured from premium grade resin systems and was specified over traditional materials to be the decking of choice.
- 2** EX-Series® Colossus offers flexibility in height and is able to carry heavy loads. Ideal to support the GratEX® grating panels.
- 3** FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.

- 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.