

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:	ACCESS SYSTEM EX-Series® GratEX® FRP Grating EX-Series® Colossus RailEX® Round Handrail ArchitEX™ Structural Sections

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

ArchitEX™ FRP Structure and RailEX® handrail, including staircases, was the solution of choice.

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 utilizing 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.

Australia

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58 DEEDS ROAD
NORTH PLYMPTON, SA 5037

▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

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