

Cooling Tower Systems Access

Our client was contracted to install the air-cooling systems at Adelaide University. A worldwide manufacturer and marketer of a diverse range of cooling solutions, they were founded in the United States, before expanding their international operations into Australia. From concept to final commissioning, they can manage almost any evaporative cooling installation.

As part of this project, Treadwell was engaged to supply the products that allow safe access for authorised personnel.

Project Challenges

- Installed as part of a cooling tower structure, the selected products had to withstand exposure to the resultant heat and humidity, as well as the outdoor environment.
- Restricted access for installation.
- Maintenance and possible repairs needed to be kept to a minimum.

PROJECT INFORMATION

Project Category:	Civil Infrastructure
Scope of Work:	Supply FRP products
Treadwell Products:	EX-Series® GratEX® FRP Square Mesh Grating and Stair treads RailEX® ROUND FRP Handrails ArchitEX™ FRP Structural Profiles



Treadwell Solution:

- 1** The GratEX® FRP Square Mesh grating and stair treads selected for this application are constructed with an anti-slip surface that does not impact load-carrying capacity. This ensures safety for the user, without incurring additional structural costs.
- 2** RailEX® ROUND FRP Handrails are easily set up along straight or cornered areas.
- 3** ArchitEX™ FRP Structural Profiles are constructed from a pultrusion process encompassing resin formulas and glass fibre products that create a strong, lightweight and durable product.

- 4** GratEX® FRP stair treads are moulded with the solid leading-edge nosing as a joint single stage component. This increases the rigor and sturdiness of the entire leading edge, ensuring dependable performance.
- 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.