

Beach Access Staircase at Aldinga Beach

The City of Onkaparinga recently upgraded the Thomas Street Reserve at Aldinga Beach. Aldinga Beach is one of Adelaide's most popular southern beach locations. However, in view of allowing people to access the beach without disturbing the dunes and vegetation, it was necessary for a staircase to be installed.

Treadwell Group was engaged to assist in the design, engineering and supply of a Fiberglass Reinforced Plastic (FRP) staircase.

Project Challenges

- Protection of the sand dunes.
- Corrosive coastal environment.
- FRP piles had to be friction driven for environmental protection reasons.

PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Design, engineer and supply of beach access staircase.
Treadwell Products:	EnviroTREAD™
Value:	\$ 45,000

Treadwell Solution:



1

As part of the exclusive EnviroTREAD™ range, high performance GratEX® FRP grating and ArchitEX™ structural profiles were specified in building the structure and providing a sustainable solution over traditional materials.

2

To make the structure aesthetically appealing, the standard colours of the system can be made to match the design team's requirements.

3

FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.

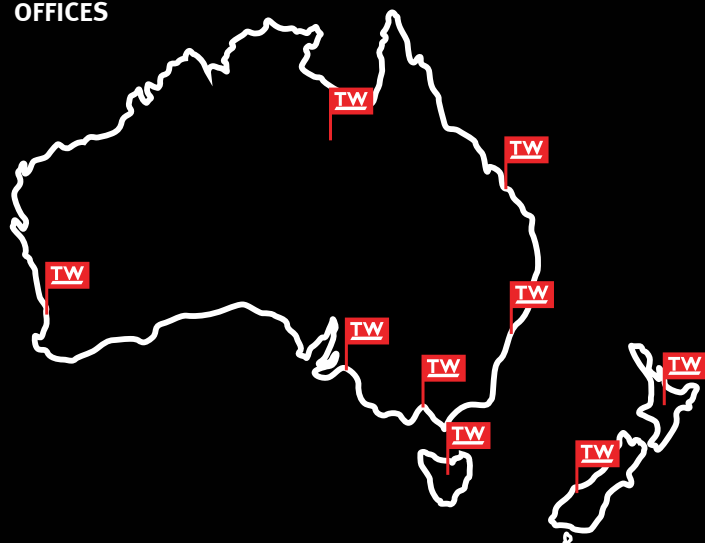
4

Being lightweight and easy to install, FRP is very manageable during construction especially with the installation of the FRP piles.

5

Give the nature of FRP, any system utilizing it is virtually maintenance free, thus keeping maintenance costs as low as possible.

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.

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