

Arno Bay Boardwalk

Eyre Peninsula, South Australia – Located in the east coast of the Eyre Peninsula you will find Arno Bay, a favourite amongst recreational fishermen. Accessible via a new boardwalk that was constructed by community volunteers, this 1.4km walk is wheelchair-friendly and features three jetties for the keen fishermen and those looking to take a dip.

Treadwell was engaged to supply the FRP grating, structural profiles and balustrades for this boardwalk.

Project Challenges

- Being in an environmentally delicate location meant that the selected material had to present minimal impact to the surroundings.
- The grating and structural profiles had to remain robust while being permanently exposed to coastal conditions as well as the outdoor elements.
- The grating had to allow the existing vegetation to thrive.
- Corrosion resistance, long lifespan and minimal maintenance were also key considerations.

PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Supply FRP grating and structural profiles
Treadwell Products:	NatureTREAD™ FRP Solution NatureTEAD™ FRP Balustrade System EX-Series® GratEX® FRP Mini Mesh Grating ArchitEX™ FRP Structural Profiles Related fasteners

Treadwell Solution:



1

The lightweight nature of FRP ensures minimal impact on the surroundings as installation is done without the need for heavy machinery, and there is minimal weight loading on the natural environment.

2

The openings in GratEX® FRP Mini Mesh grating allows for water and debris to fall through, creating a self-maintaining anti-slip surface, while allowing ventilation and sunlight through for the vegetation beneath to survive.

3

GratEX® FRP Mini Mesh grating and ArchitEX™ FRP structural profiles are constructed from premium resin systems that include corrosion resistant properties, UV inhibitors and a fire-retardant formula, making it ideal for this outdoor application.

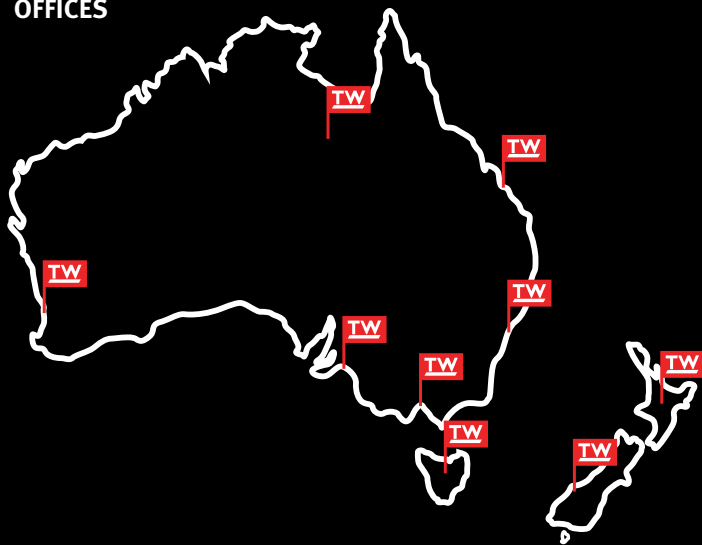
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NatureTREAD™ FRP Balustrades provide support for users on designated sections of the boardwalk.

5

Given the nature of FRP, any system utilising 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.

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