

Terrigal Boardwalk

Terrigal Boardwalk & Rockpool, New South Wales – A new attraction, this upgrade is poised to deliver many social, health and economic benefits to the local community. The new boardwalk improves pedestrian access between Terrigal Beach promenade and The Haven, providing a safe and more accessible route. Designed to complement the natural environment, the boardwalk includes a viewing platform, integrated seating and smooth integration with the existing walkways on either end.

Treadwell was engaged to supply the FRP structural profiles and decking panels for this new boardwalk.

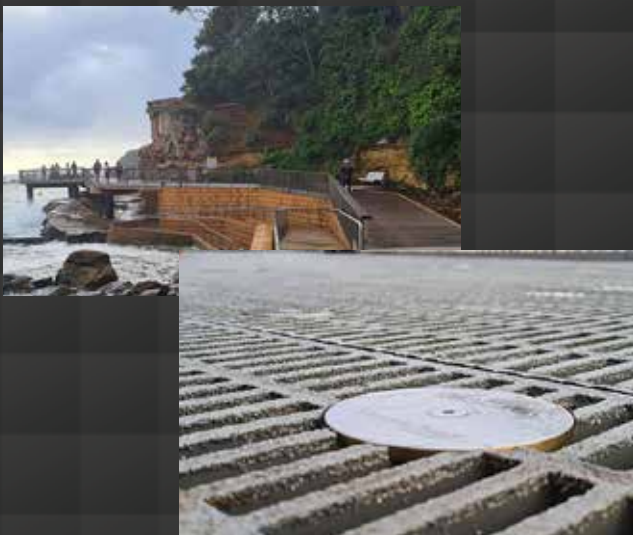
Project Challenges

- Longevity in the exposed environment and maintenance were key considerations.
- The type of material and products used had to have minimal risk to the surroundings.
- High uplift loading due to wave action.

PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Supply FRP grating and fastening system
Treadwell Products:	NatureTREAD™ ArchitEX™ FRP Structural Profiles MoultrEX® FRP Grating StormChief® Wave Action Fastening System

Treadwell Solution:



1

ArchitEX™ FRP Structural Profiles are created through a pultrusion process which contributes to bi-directional stability and longitudinal strength.

2

MoultrEX® FRP grating boasts greater amount of glass fibres offering excellent load bearing and resilience characteristics.

3

EX-Series® StormChief® system is the optimal maritime grating fixing system to handle wave zone loading and is easily installed from the top surface.

4

Treadwell FRP products are constructed from premium quality resin systems that include corrosion resistant properties, UV inhibitors as well as fire retardant additives, making it ideal for this outdoor application

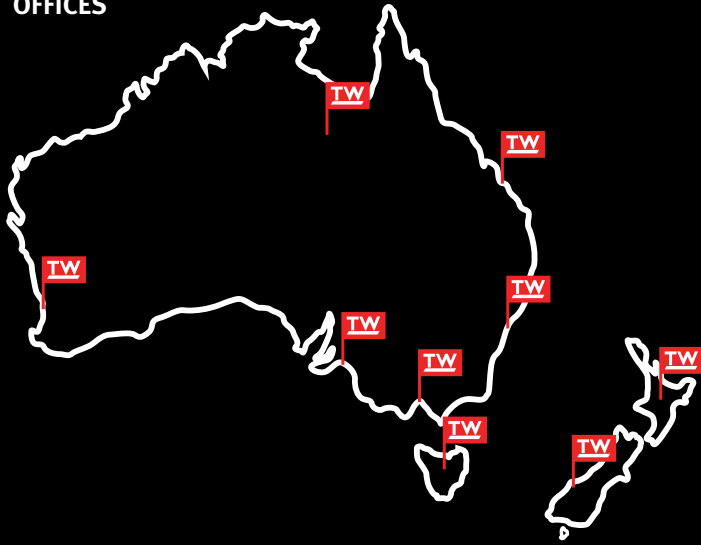
5

Being lightweight, heavy machinery is not required for installation. The weight loading of the structure on the natural environment is also minimised.

6

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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58 DEEDS ROAD
NORTH PLYMPTON, SA 5037

▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

22 DUNREATH ROAD
STRATHALBYN, SA 5255

VICTORIA

▶ **MELBOURNE (BRANCH OFFICE & WAREHOUSE)**

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1 CAILIN PL, ALTONA, VIC 3018

NEW SOUTH WALES

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SYDNEY OLYMPIC PARK, NSW 2127

▶ **WAGGA (REGIONAL OFFICE)**

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EAST WAGGA WAGGA, NSW 2650

NEW SOUTH WALES

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