

Port Authority

This Port Authority in Western Australia was established in 2014 as a result of the Ports Legislation Act 2014 consolidating seven of WA's eight port authorities into four new regional port authorities. With a vision of being the global leader in port planning, operations and marine services, this port authority is continuously improving their operations for the benefit of customers, stakeholders and communities.

Treadwell was engaged to supply new handrails as well as an access ramp for this port in WA.

Project Challenges

- The exposed marine environment accelerates corrosion on structures in the vicinity.
- The chosen material for the handrails had to have low thermal conductivity so that it would be safe to use even in high weather temperatures, while remaining robust in the outdoor environment.
- The selected grating had to be anti-slip to ensure safety for users.

PROJECT INFORMATION

Project Category:	Safe access for staff
Scope of Work:	Supply FRP handrails and grating
Treadwell Products:	ACCESS SYSTEMS GratEX® FRP Mini Mesh Grating RailEX® ROUND Handrails

Treadwell Solution:



1

With a proven track record of performing beyond expectations in similar environments, Treadwell FRP products provide durability and dependability.

2

RailEX® ROUND handrails are assembled using a zero-weld method of putting the system together, which greatly reduces the chance of corrosion.

3

RailEX® is the choice alternative to metallic handrails and offers electrical transparency, while being non-conductive in nature.

4

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

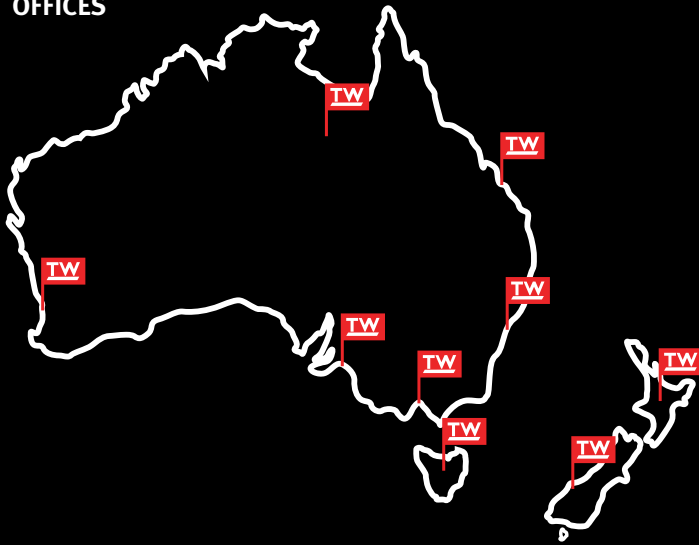
5

Being lightweight and easy to install, FRP is very manageable during construction.

6

Given the nature of FRP, any system 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.

Australia

SOUTH AUSTRALIA

▶ **ADELAIDE (HEAD OFFICE & WAREHOUSE)**

58 DEEDS ROAD
NORTH PLYMPTON, SA 5037

▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

22 DUNREATH ROAD
STRATHALBYN, SA 5255

NEW SOUTH WALES

▶ **SYDNEY (DISTRIBUTION CENTRE)**

2 COAL PIER ROAD
BANKSMEADOW, NSW 2109

▶ **SYDNEY (OFFICE)**

LEVEL 6, 10 HERB ELLIOT AVENUE
SYDNEY OLYMPIC PARK, NSW 2127

▶ **WAGGA(OFFICE)**

BALL PL
EAST WAGGA WAGGA, NSW 2650

VICTORIA

▶ **MELBOURNE (DISTRIBUTION CENTRE)**

1 CAILIN PLACE
ALTONA, VIC 3018

QUEENSLAND

▶ **BRISBANE (DISTRIBUTION CENTRE)**

4 HOWARD SMITH DRIVE
PORT OF BRISBANE, QLD 4178

WESTERN AUSTRALIA

▶ **PERTH (OFFICE & WAREHOUSE)**

4 ELMSFIELD ROAD
MIDVALE, WA 6056

TASMANIA

▶ **BURNIE (DISTRIBUTION CENTRE)**

8 RIVER ROAD
WIVENHOE, TAS 7320

New Zealand

NORTH ISLAND

▶ **AUCKLAND (OFFICE)**

40 ONEHUNGA MALL
ONEHUNGA, AUCKLAND 1061

SOUTH ISLAND

▶ **NELSON (OFFICE)**

3 TOKOMARU PLACE, STOKE,
NELSON 7011

Australia

P 1800 246 800 sales@treadwellgroup.com.au
F 1300 763 521 treadwellgroup.com.au

New Zealand

P 0800 246 600 sales@treadwellgroup.co.nz
F 0800 244 600 treadwellgroup.co.nz