

## Shute Harbour

Shute Harbour, Queensland – near Arlie Beach, this is a port facility for the transfer of visitors to the Whitsunday Islands and resort destinations. One of the busiest small vessel facilities in Australia, it is also a base for bareboat and charter yacht activity. As part of the Shute Harbour Restoration project, new boat jetties were constructed.

Treadwell was engaged to supply the FRP grating and fixings for these gangways and pontoons.

### Project Challenges

- Grating had to withstand the weight loading of forklifts and other trafficable equipment.
- Cyclonic area meant that the grating and attachment design needed to be adequate to withstand wave uplift.
- Architectural requirements were varied and specific colours needed to be achieved.

### PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Supply FRP grating and fixings
Treadwell Products:	ACCESS SYSTEMS GridEX® FRP Grating

### Treadwell Solution:



1

High performance GridEX® FRP grating was specified in building the structure as a preferred solution over traditional materials, due to its high span and load capabilities.

2

Treadwell's GridEX® FRP pultruded grating has an anti-slip surface, and provides excellent uni-directional strength, meeting the trafficable loading requirements.

3

A combination of GridEX® FRP grating and related fixings creates a structure that is able to withstand high wave loading.

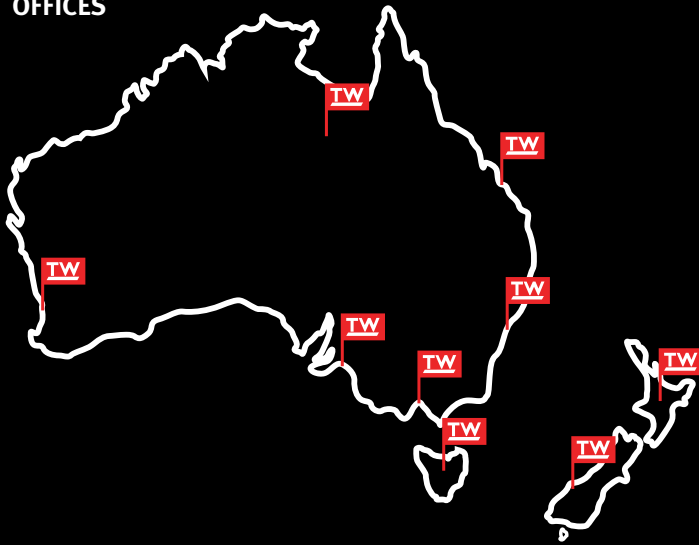
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Treadwell's FRP range of products are easily customised to meet project requirements.

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.

**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 (OFFICE & WAREHOUSE)**

1 CAILIN PLACE  
ALTONA, VIC 3018

**QUEENSLAND**

▶ **BRISBANE (OFFICE & WAREHOUSE)**

LOT 3, 6 GOODMAN PLACE  
MURRARRIE, QLD 4172

**WESTERN AUSTRALIA**

▶ **PERTH (OFFICE & WAREHOUSE)**

4 ELMSFIELD ROAD  
MIDVALE, WA 6056

**TASMANIA**

▶ **BURNIE (DISTRIBUTION CENTRE)**

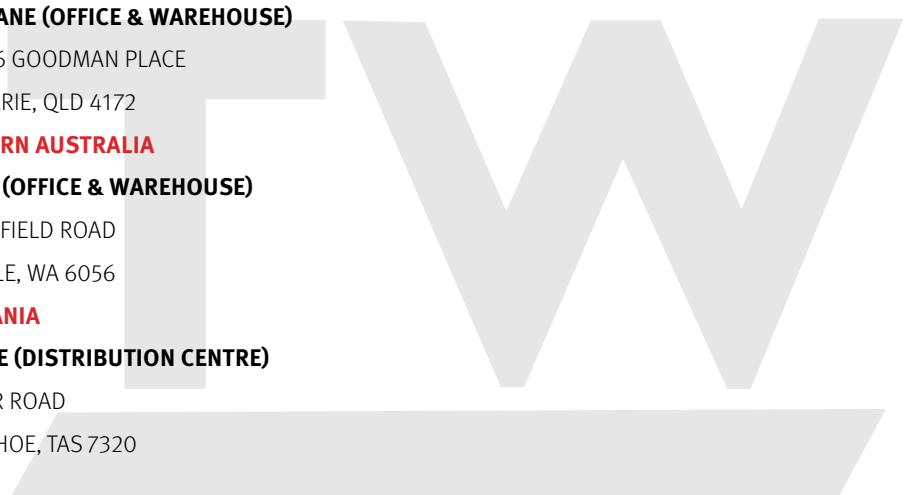
8 RIVER ROAD  
WIVENHOE, TAS 7320

**New Zealand**

**NORTH ISLAND**

▶ **AUCKLAND (OFFICE)**

40 ONEHUNGA MALL  
ONEHUNGA, AUCKLAND 1061



**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