

Opossum Bay Jetty Wave Attenuator

Wave attenuators were installed at a boat ramp in Opossum Bay, Tasmania. The main function and purpose of wave attenuators is to break or disperse coastal waves so that their force is reduced. This protects the marina, acting as a protective shield against the incoming waves, and reflecting the majority of the wave energy back to sea. As a jetty that is accessible in all tides, this wave attenuator installation ensures safety for boaters.

Treadwell was engaged to provide the structural profiles for the wave attenuator.

Project Challenges

- The selected product had to be able to withstand wave loading.
- The selected material would be submerged in water and had to be corrosion resistant.
- Installation was subject to weather conditions.

PROJECT INFORMATION

Project Category:	Jetty Infrastructure
Scope of Work:	Supply structural profiles
Treadwell Products:	ArchitEX™ FRP Structural Profiles

Treadwell Solution:



1

ArchitEX™ FRP Structural Profiles are constructed from a pultrusion process encompassing resin formulas and glass fibre products that create a strong, lightweight and durable product

2

Treadwell's FRP products are constructed from premium resin systems that include corrosion resistant properties and UV inhibitors.

3

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

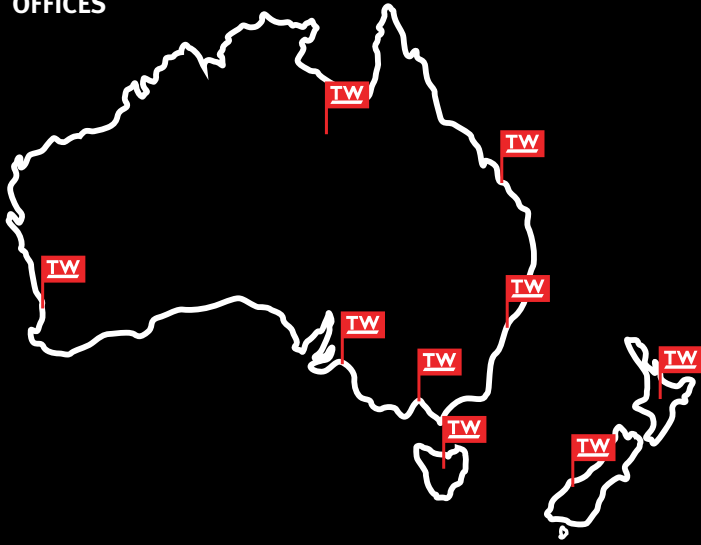
4

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

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

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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