

## 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.

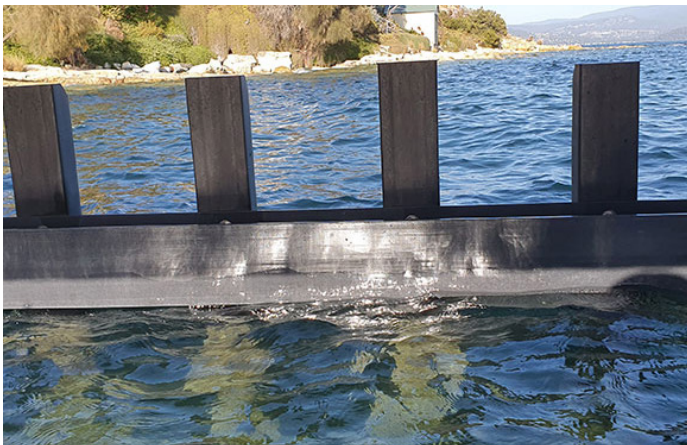
Treadwell was engaged to provide the structural profiles for the wave attenuator.

### 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 FRP 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.