

Consider the possibilities...

**Eliminate corrosion.
Reduce maintenance.**



PermaStruct

◆ No.1 for FRP ◆

Our Expertise

Specialised expertise, knowledge and service.

Perma Composites is more than simply a manufacturer and supplier of high quality, fibre reinforced plastic (FRP) products with numerous applications in the mining, construction and marine sectors.

We are recognised as Australasia's number one go-to FRP company for expertise, product range, customer service and experience.

Today, our clients utilise PermaStruct products throughout many locations in Australia and overseas; on mine and construction sites, oil and gas projects, in marinas and harbours. Our team of in-house engineers helps each client to conceptualise, design, plan, cost and engineer their bespoke project during every stage of its timeline.

We are confident that no matter what stage your project is at, we can replace large, costly and maintenance-heavy materials with PermaStruct; a high-quality, superior alternative to traditional materials.

Mining and Construction

As **strong** as steel, lighter than concrete.

PermaStruct FRP products are your revolutionary alternative to traditional structural and building materials, with numerous applications in the mining, construction and marine sectors. Unlike concrete or steel, PermaStruct fibre reinforced plastic (FRP) will not corrode yet it is lightweight (up to 60% lighter than concrete) – **and just as strong as its more traditional rivals.**

The PermaStruct range of high quality FRP products is vast and has a **life expectancy of 50+ years**, with little maintenance required. Lightweight PermaStruct products can reduce material, transport and installation costs, and are available in a variety of colours, textures and sizes.



Customised solutions using premium FRP



Delivering innovation

Mining and Construction



PermaStruct Solutions

Perma Composites is Australasia's leading manufacturer and supplier of high quality, FRP products known as PermaStruct. Our clients trust in our ability to design and deliver customised, unique and cost effective solutions that **outlast and outperform many other traditional building materials.**

PermaStruct Grating

PermaStruct FRP Grating is the ultimate industrial surface for factories, platforms, mine and construction sites. Featuring an anti-slip surface rated to the highest levels of slip resistance measured - PermaStruct FRP Grating is far stronger – yet up to 60% lighter than steel or concrete.



PermaStruct Trench and Lid Systems

Designed to protect gas, water, electricity, communications and signals, PermaStruct non conductive FRP Trenches are the 21st Century alternative to heavy concrete. Being significantly lightweight, it will dramatically reduce the cost of transport, installation and maintenance – whilst delivering considerable safety improvements.



PermaStruct Handrails

PermaStruct FRP Handrails are incredibly strong, yet 60-70% lighter than galvanised or stainless steel – thus reducing installation costs. Maintenance costs are also drastically reduced as FRP will not corrode, require re-painting or the application of surface treatments.



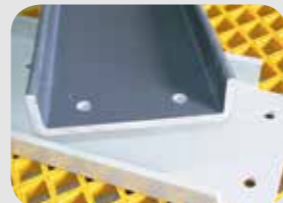
PermaStruct Ladder & Cage Systems

PermaStruct FRP Ladder and Cage systems are the perfect solution for mining, construction, submerged, semi-submerged and caustic environments, thanks to superior non-corrosive properties.

PermaStruct FRP Profiles

PermaStruct FRP Profiles represent a modernised progression in building technology. The profiles are as strong as traditional materials such as steel, but can be manoeuvred by hand and are built to last longer.

PermaStruct FRP Profiles are manufactured to any size, shape and colour, including I Beam, T Bar, Channel, Angle, Box and Tube sections. A variety of thicknesses are available for added strength – without the costs of over-engineering.



PermaStruct Roof Safety Walkways

PermaStruct FRP Roof Walkway systems provide non-slip access to services, air conditioning and maintenance, whilst at the same time protecting the roof from damage.

Our roof walkways are constructed from specially designed FRP grating and are suitable for flat, corrugated or standing seam roofs.



PermaStruct Slab

Specially designed for trenches, gullies and pits, replacing heavy concrete, non-conductive PermaStruct Slab offers exceptional strength to weight ratios. It dramatically reduces the costs of transport, installation, handling and servicing.

PermaStruct Non-Slip Flooring

PermaStruct Solid Plate is the fast, easy and economical safety solution for almost any surface. Add R15 slip resistance with strong, lightweight, tough FRP Solid Plate. PermaStruct Non-slip Flooring can be installed on walkways, work platforms, wheelchair access ramps, and bridges.



PermaStruct Stair Safety Products

Slips, trips and falls account for 20% of all serious workplace injury claims. Ladders and staircases are a significant contributor to these injuries.

If you take workplace safety seriously, install PermaStruct FRP stair safety products.

PermaStruct Stair Nosing, Stair Tread Covers and Anti-slip Strips offer hard wearing, long lasting, anti-slip protection for staircases of any type, including concrete, grating, wood or metal.

PermaStruct Fixings

PermaStruct carry a large range of mechanical fixing systems for practically any application. Only the finest quality materials are selected, to ensure the fixings last as long as the PermaStruct FRP products they are joining.



PermaStruct's FRP benefits include:

- ✓ Lightweight
- ✓ High strength
- ✓ Anti-slip
- ✓ Fire resistant
- ✓ Non corrosive
- ✓ Non conductive
- ✓ UV stable
- ✓ Easy to install
- ✓ Low maintenance



End-to-end commitment to quality

Boardwalks & Bridges



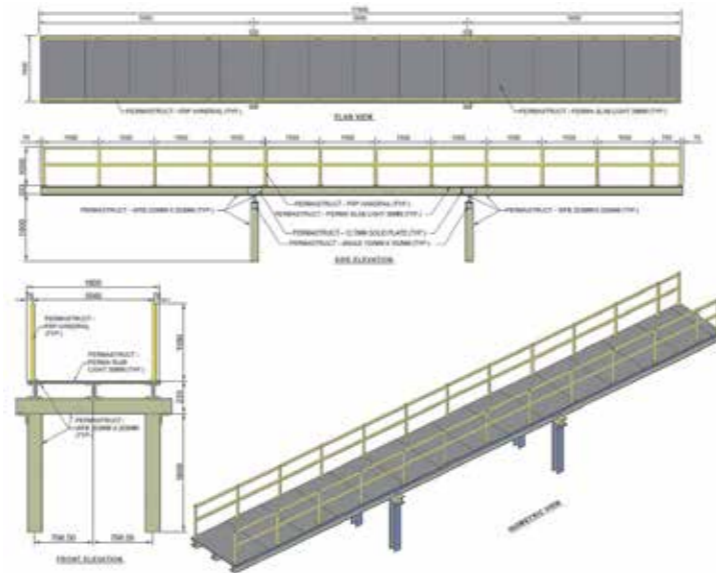
Designed and engineered by experts for ease of installation, extended life and low maintenance.



PermaStruct Boardwalks

Our bespoke boardwalks are designed and constructed to suit all environments including coastal, fixed, floating, inland waterways, parks and spectacular coastal paths. PermaStruct low maintenance boardwalks are also ideally suited to remote, harsh locations where access for maintenance is an issue.

Our boardwalks are supplied in a variety of textures, materials and colours to match environmental needs. Easy installation is achieved by using our non-invasive foundation techniques which is particularly important in heritage areas.



PermaStruct Bridges

PermaStruct FRP Bridges are designed to accommodate high loads and fatigue, making it the ideal low maintenance choice for bridge structures - whether single or multi span.

Individual bridge designs can be accommodated by our in-house design team, who have many years of relevant industry experience. Entire bridge structures can be manufactured using PermaStruct FRP, or we can marry with existing timber, steel and concrete infrastructures - resulting in a cost effective upgrade of existing infrastructure.

Marine

Sleek, modern, and capable of surviving harsh marine environments

The PermaStruct range of marine grade decking solutions provides a lightweight, high strength and low maintenance alternative on private jetties, pontoons and marinas across Australia and overseas.

Be it a marina mesh, timber or concrete appearance, you'll be making a statement with PermaStruct's marine decking solutions.



PermaStruct FRP Marine Decking

PermaStruct FRP Marine Decking is the modern choice for large scale and commercial marine applications. It is exceptionally strong, long lasting, and provides non-slip safety. PermaStruct FRP Marine Decking is available in three mesh sizes plus solid top, and in a variety of colours and textured finishes.



PermaTimber Composite Decking

The PermaTimber range of timber composite decking profiles adds long lasting style and beauty to jetties, fingers and pontoons. Flat, straight, anti-slip and modern looking - our timber composite decking beats high maintenance timber every time.

Concrete Marine Decking

PermaStruct FRP Concrete is a revolutionary new material that's perfect for your next marine project. Concrete Marine Decking is designed to replicate the look, feel and strength of concrete at a fraction of the weight and with virtually no maintenance.



Confidence with every step





The Composite Experts

Innovation



Design



Engineering



Experts

Mining, construction,
engineering and marine



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