



Wagners Composite Fibre Technologies (CFT)

FRP Stairs

Fibre Reinforced Polymer (FRP) stair systems from Wagners Composite Fibre Technologies (CFT) deliver a high-performance pedestrian access solution engineered for durability, safety and long-term value. Designed for use across public infrastructure, commercial developments and industrial facilities, Wagners' FRP stairs combine advanced composite materials with proven engineering expertise to provide reliable performance in even the harshest environments.

Unlike traditional materials such as steel or timber, FRP is inherently resistant to corrosion, rot and environmental degradation. Wagners' FRP stairs are UV-resistant, non-leaching and chemically inert, making them ideal for applications exposed to coastal conditions, moisture, industrial chemicals and extreme weather. This durability translates into significantly reduced maintenance requirements and lower whole-of-life costs for asset owners.

Lightweight by design, FRP stair systems are easier to transport, handle and install compared to conventional alternatives. This reduces the need for heavy lifting equipment, improves on-site safety and enables faster project delivery. Modular construction further enhances installation efficiency, allowing components to be prefabricated and assembled with precision.

Wagners FRP Stairs solutions are constructed from Square Hollow Sections (SHS), Rectangular Hollow Sections (RHS) and Circular Hollow Sections (CHS) which are certified Australian Made.

Performance Advantages



Durable with an expected 100-year design life



Inert will not rot, rust and corrode



Resistant to termites and acid sulfate soils



Lightweight, making it safer to handle, transport and install



Modular by design so can be assembled off-site and craned into place saving you onsite time and expenses whilst reducing weather impacts to your project



Non-leaching, so will not release harmful substances into the environment making it suitable for areas of high conservation value



Budget friendly – with reduced maintenance and replacement cycles resulting in significant savings over the lifetime of the structure



Plus structures made from FRP contribute to decarbonisation in construction and reducing global warming through **less embodied carbon**.



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Wagners' FRP stairs are custom-engineered to suit project-specific requirements, ensuring compliance with relevant Australian standards while delivering structurally sound and visually integrated outcomes. Whether used in coastal walkways, mining operations, public access infrastructure or environmental reserves, these stair systems are designed to provide safe, consistent pedestrian movement over decades of service life.

Backed by in-house design, engineering and certification capabilities, Wagners works collaboratively with clients, engineers and asset owners to develop tailored solutions that balance performance, safety and aesthetics. From concept through to completion, every FRP stair system is supported by technical expertise and a commitment to quality.

As part of a broader composite infrastructure offering, FRP stairs can be seamlessly integrated with walkways, platforms, bridges and shelters, creating cohesive access systems with consistent performance characteristics. This integrated approach enhances user experience while simplifying long-term asset management.

For infrastructure owners seeking a future-ready alternative to traditional materials, Wagners' FRP stair solutions offer a smart, sustainable choice, delivering strength, reliability and peace of mind for generations to come.

Wagners CFT also meets the international management standards for:



T +61 7 4637 7777
E cftsales@wagnerscft.com.au



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