

Design-to-Install FRP Solution for Secure Caravan Storage

A customised, prefabricated FRP platform delivering safe, secure caravan storage in a tight residential space.

THE PROJECT

Project Category:

Scope of Work:

Solution:

Project Challenges:

Design, Fabrication & Installation – FRP Access Platform

Complete design, drafting, fabrication and installation of an elevated FRP storage platform.

Designed and engineered an FRP platform with adjustable height for a precise finish.

Restricted access and a sloped site required highly accurate design and prefabrication.

THE SOLUTION:

FRP Engineering delivered a full design-to-install solution tailored to the client's needs, conducting a comprehensive site measure, producing detailed AutoCAD drawings for precise fabrication, prefabricating all components off-site to eliminate onsite adjustments, integrating height-adjustable features for a perfectly level finish, and engineering a custom FRP solid-top retaining wall to stabilise the sloped section of the property.

BEFORE FRP:

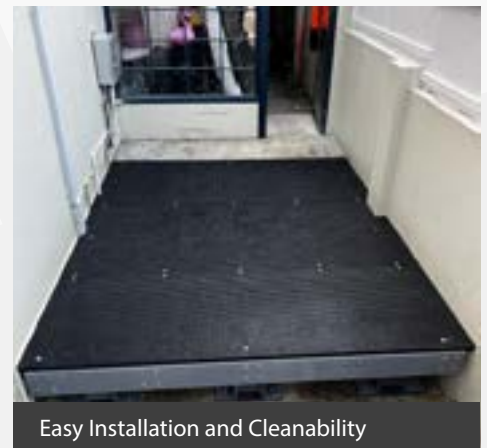


Safety Concerns | Restricted access

AFTER FRP:



Improved Access and Safety



Easy Installation and Cleanability

THE FRP APPROACH:

FRP Engineering delivered a complete design-to-install solution tailored to the client's specific site and storage requirements.

The team began with a comprehensive site measure to capture all dimensional and environmental constraints, followed by detailed AutoCAD drawings to ensure every structural element and grating panel was manufactured to exact, fit-for-purpose dimensions. All components were prefabricated offsite, minimising the need for cutting, sealing or adjustments during installation and allowing for a cleaner, more efficient onsite process. The platform was engineered with height-adjustable elements to achieve a perfectly level, ready-to-use finish despite the sloped ground. In addition, FRP Engineering designed and fabricated a custom retaining wall using FRP solid-top grating to stabilise the site and support the new structure.

THE FRP RESULT

Faster Project Delivery

100% offsite fabrication cut installation time and costs, allowing every component to arrive fit-for-purpose and ready to install.

Efficient, Problem-Free Installation

A full two-day install with zero rework or onsite cutting, thanks to precise prefabrication and accurate design.

Secure, Functional Storage Space

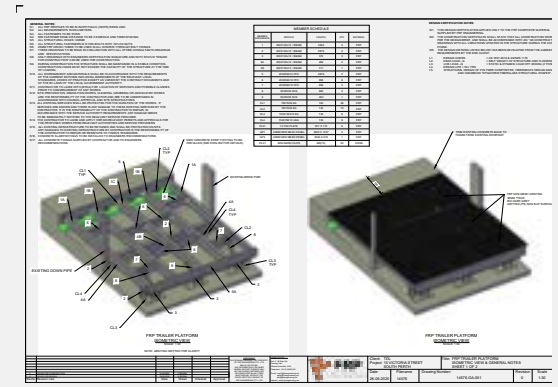
The client now has a stable, elevated platform that safely stores their caravan off the street and maximises usable space.

Improved Property Aesthetics

The new FRP structure enhances both the look and functionality of the backyard, blending cleanly into the existing layout.

Long-Term, Low-Maintenance Performance

FRP's corrosion-resistant, no-repaint material ensures long-term value, with minimal upkeep required over its lifecycle.



FRP PRODUCTS USED:

- FRP Grating – 38mm ISOFR Minimesh
- FRP Grating – 41mm ISOFR Solid Top (retaining wall solution)
- FRP Structural Profiles – ISOFR channel and angle
- Design & drafting completed using AutoCAD and FRP Engineering's in-house expertise.

CONTACT US

For more information on our range, email us on enquiries@frpengineering.net or call us at (08) 9455 4343 to discover our range today!