

**AUSTRALIA-FIRST
PREMIUM
COMPOSITE
SILOS**





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INTRO.

Silostore is a revolutionary design born out of a desire to make life easier for operators and producers that handle liquids, grain and dry goods in every industry. After several years of research, innovation, and fabrication, our composite silos are the first of their kind to reach the Australian market. At Silostore, our products are all custom engineered and manufactured to best suits our client's specifications because we believe that every project is unique. Our experience and expertise in manufacturing silos allows us to provide an unparalleled service - From consultation to installation.



ABOUT US.

Silostore is Australia's leading designer, manufacturer, supplier of GRP composite silos with over a century of experience. A family-owned business spanning over three generations, Silostore provide unparalleled specialised composite solutions to the agriculture, FMCG, food, pulp and paper, renewable energy, pet foods and liquid fertiliser industries. Over the years, Silostore has accumulated a wealth of industry knowledge and we pride ourselves on providing our customers with the highest quality products and services. Our goal is to provide innovative solutions and maintain our strong client relationships.

In order to better serve our customers, we relocated our manufacturing facility and main office to the central western area of New South Wales in 2003. We chose Parkes because of its convenient access to transport services between Brisbane, Melbourne, and Sydney. In fact, we supply along the main rail freight route from Sydney leading to Perth, Adelaide, and Darwin. This central location gives us easy access to all of Australia's capital cities and regional areas. With more than six thousand square meters for manufacturing, our Parkes facility features the most advanced equipment and technology in the industry. It also contains a facility for product testing.

OUR APPROACH.

At Silostore, we believe in long lasting solutions for our client's dynamic and changing environments. That's why our consultative process ensures our client has a complete understanding of what our cutting edge GRP composite silos can provide, including maintenance & servicing.



Consultation & Design

We know that all projects are unique, so we conduct comprehensive and specialised consultation and designs to meet your needs, requirements, and potential constraints.

Solution Proposal

We are committed to offering you the best applications for your project. Our solution proposals outline our recommended actions based on the scope of a project to deliver for the best value for money.

Engineering Design

Our competence is a key differentiator from our competitors. We have processes and highly experienced engineers who take care of the detailed designs for our client's solutions.

Manufacturing & Installation

We are fully equipped and qualified to manufacture and install silos. Our production facility allows us produce majority of our components in-house and to keep strict quality control of each step of the production process.

Service & Maintenance

We provide ongoing service and maintenance for our client's tanks and silos. Our service team can be reached 24 hours a day for support in diagnostics and to find a solution to your problem.



THE COMPOSITE ADVANTAGE.

Why composite or Glass Fibre Reinforced Plastic can no longer be ignored when it comes to storage systems?

Composite has several properties, which provide clear benefits when compared to traditional materials such as concrete, aluminium, steel and stainless steel.

Composite Silos are Corrosion Resistant

Composite does not rust or corrode like steel and other metals. It is impervious to water, vapours and gases and is resistant to most chemicals. Where necessary, different types of liners are available which make the composite tank resistant to a full range of aggressive chemicals.

Composite Silos Needs Virtually No Maintenance

Because composite does not rust, our tanks and silos need very little maintenance, apart from conventional cleaning. Thanks to their UV resistant coating, the tanks and silos also do not require periodic painting and withstand the effects of the weather well.

Composite Silos are Light Weight

Composite is about 40% lighter than steel and is much stronger. The glass resin ratio produces a light material, which has extremely high stiffness and tensile strength which is capable of withstanding high impact weights. Additionally, composite silo's light weight considerably reduces transportation and installation costs. We construct our tanks and silos in our factory, so that the installation time remains very short.

Composite Silos are Impact Proof

In contrast to steel, thanks to its advanced elastic properties, composite returns to its original shape following impact. Tests have shown that composite resists a greater blunt impact without lasting deformation.

MARKETS WE SERVE.

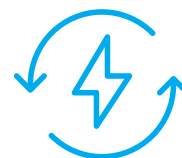
Silostore is Australia's leading GRP tank and silo manufacturer and supplier for liquid and dry bulk storage containment. With advances in fabrication technology, engineering, design and coating processes, our silo tanks can be used for municipal, industrial, agricultural, mining and biofuel applications.



Agriculture

Silostore operates as Australia's only supplier of high-grade composite silos for the agriculture sector. Our products include solid feed, liquid feed & chemical fertiliser silos that are manufactured with GRP to ensure our customers are equipped with the most hygienic silo storage solutions on the market. With 40 years of experience, Silostore guarantees our GRP & FRP composites deliver benefits of:

- Extreme resilience to corrosion
- Optimal weather resistance
- UV resistance
- Structural resilience
- Superior thermal insulation



Renewable Energy and Pulp & Paper

According to a recent study, renewable energy is already 21.3% of worldwide energy consumption. Silostore has provided solutions for many companies in the sustainable & renewable industry sector from system integrators to end users. With over 40 years of technical experience within the industry, our composite tanks have been designed to store biodiesel, bio-methanol, biomass dry goods, co-products, glycerine, and wood pellets. Not only have we consistently provided solutions for sustainable industries, Silostore's long-life technology meets the 5 key sustainability criteria for GRP & FRP composites. This means our tanks are on the frontline in the fight against climate change.



Construction

Silostore's 40 years of research & development into chemical & manufacturing storage solutions has made us a preferred supplier to end users within the construction industry. Silostore has worked with some of the most reputable organisations in the industry to deliver highly specialised turnkey solutions. Silostore's composite technology harnesses the silo's structural integrity and elasticity to make sure our tanks maintain the highest resilience and safety levels on the worksite. The flexibility of our design, resistance to physical damage and low maintenance allows Silostore to deliver perfect solutions for our clients in the construction industry.



Food & Beverage

The reason that Silostore has been one of Australia's most trusted partners for local food and beverage producers is that our technology has proven to provide the most hygienic results in any environment. GRP & FRP composite silos consistently deliver better results for consumables, requiring no maintenance other than routine cleaning.

MODELS & SIZES.

Silostore is Australia's leading GRP tank and silo manufacturer and supplier in liquid and dry bulk storage containment. With advances in fabrication, technology, engineering, design and coating processes, our silos and tanks can be used for municipal, industrial, agricultural, mining and biofuel applications.

Liquid Silos

Applications:

Liquid Fertilizer, Molasses, Water, Chemicals, Industrial Applications

Sizes: 1.6m³ to 250m³

Specific Gravity (Liquid Weight) Range:

- Series 1 (up to 800kgs/m³)
- Series 2 (800kgs/m³ to 1200kgs/m³)
- Series 3 (1200kgs/m³ to 1500kgs/m³)
- Series 4 (1500kgs/m³ to 2000kgs/m³)
- Other weights are available on request.

Available Configurations:

- Standard Frame – 600mm Outlet Height
- Raised Frame – 1200mm Outlet Height
- Drive Through Frame – Client Requirements



Features & Benefits:

- Seamless, sealed GRP composite bin
- Impervious, glass-like internal finish
- Heavy duty steel frame
- Access options (caged ladder, access bridges, etc.)
- UV stabilised
- Food grade
- No rust (internally or externally)
- Vented 740mm top hatch (remote operation as standard but other options available)
- 100mm bottom outlet with gate valve (other options available)
- 45° base cone and 35° roof cone
- Bottom fill inlet options
- Level indicator translucent strip
- 25 year warranty

Grain Silos

Applications: Seed, Wheat, All Grains

Sizes: 1.6m³ to 250m³

Specific Gravity (Liquid Weight) Range:

- Series 1 (up to 800kgs/m³)
- Series 2 (800kgs/m³ to 1200kgs/m³)
- Series 3 (1200kgs/m³ to 1500kgs/m³)
- Series 4 (1500kgs/m³ to 2000kgs/m³)
- Other weights are available on request.

Available Configurations:

- Standard Frame – 600mm Outlet Height
- Raised Frame – 1200mm Outlet Height



Features & Benefits:

- Seamless, sealed GRP composite bin
- Impervious, glass-like internal finish
- Heavy duty steel frame
- Access options (caged ladder, access bridges etc.)
- High insulation properties (minimise weating and seed germination)
- UV stabilised
- Food grade
- No rust (internally or externally)
- Vented 740mm top hatch (remote operation as standard but other options available)
- 300mm bottom outlet with sliding knife gate (other options available)
- 45° base cone and 35° roof cone
- Bottom fill inlet options
- Level indicator translucent strip
- 25 year warranty

Dry Goods Silos

Applications:

Seed, Fertilizer, Urea, Flour, Plastic Pellets, Concrete Additives, Construction Products, Industrial Applications

Sizes: 1.6m³ to 250m³

Specific Gravity (Liquid Weight) Range:

- Series 1 (up to 800kgs/m³)
- Series 2 (800kgs/m³ to 1200kgs/m³)
- Series 3 (1200kgs/m³ to 1500kgs/m³)
- Series 4 (1500kgs/m³ to 2000kgs/m³)
- Other weights are available on request.

Available Configurations:

- Standard Frame – 600mm Outlet Height
- Drive Through Frame – Client Requirements



Features & Benefits:

- Seamless, sealed GRP composite bin
- Impervious, glass-like internal finish
- Heavy duty steel frame
- Access options (caged ladder, access bridges etc.)
- High insulation properties
- UV stabilised
- Food grade
- No rust (internally or externally)
- Vented 740mm top hatch (remote operation as standard but other options available)
- 300mm bottom outlet with sliding knife gate (other options available)
- 45° base cone and 35° roof cone
- Bottom fill inlet options
- Level indicator translucent strip
- 25 year warranty

Pellet Silos

Applications: Animal Feed, Industrial Applications

Sizes: 1.6m³ to 60m³

Specific Gravity (Liquid Weight) Range:

- Series 1 (up to 800kgs/m³)
- Series 2 (800kgs/m³ to 1200kgs/m³)
- Series 3 (1200kgs/m³ to 1500kgs/m³)
- Series 4 (1500kgs/m³ to 2000kgs/m³)
- Other weights are available on request.

Available Configurations:

- Standard Frame – 600mm Outlet Height



Features & Benefits:

- Seamless, sealed GRP composite bin
- Impervious, glass-like internal finish
- Heavy duty steel frame
- Access options (caged ladder, access bridges etc.)
- High insulation properties
- UV stabilised
- Food grade
- No rust (internally or externally)
- Vented 740mm top hatch (remote operation as standard but other options available)
- 300mm bottom outlet with sliding knife gate (other options available)
- 60° base cone and 35° roof cone
- Bottom fill inlet options
- Level indicator translucent strip
- 25 year warranty



OPTIONS & ACCESSORIES.

Silostore have many options and accessories that compliment our silos. These include configurational options, process equipment, access equipment and many other options. We take the approach that every customer has unique needs and do our very best to ensure that the system or product we supply meets and exceeds our client's expectations.

Configurations

- Standard Frame – 600mm Outlet Height
- Raised Frame – 1200mm Outlet Height
- Drive Through Frame – Client Requirements



Options & Accessories

- Galvanised Access Systems
- Butterfly & Gate Valves
- Agitators/Mixers (Top & Side Mount)
- Base Manholes
- Internal Wash Down Systems
- Aeration Systems
- Chemical Injection Systems
- Flanges – 50mm to 400mm
- Air Intake Fumigation Chambers
- Silo Vents
- Silo Vents with Dampers
- Augur Boots
- Bin/Hopper Vibrators
- Bin Activators
- Bulk Bag Discharges
- Bulk Bag Fillers
- Dust Filters
- Blowers

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