

SiloStore Composite Silos

No Corrosion | No Internal Catch Points | No Condensation | Smooth Internally
High Flow Properties | Extended Service Life | High ROI



ACCESS BETTER

Introduction



CSG Composites silos are 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 CSG Composites, our products are all custom engineered and manufactured to best suit 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.

Key Benefits



No Corrosion

Unlike steel FRP is resistant to rust, water, vapors, gases, and most chemicals.



No Internal Catch Points

Our FRP resin finish means zero catchpoints.



No Condensation

Non-conductive walls play a crucial role in reducing moisture buildup.



Smooth Internally

Easy to clean and requiring low maintenance for optimal uptime.



High Flow Properties

Designed for easy, unrestricted product movement to enhance flow efficiency.



Extended Service Life

25-year warranty and 65-year design life.



High ROI

Lower maintenance and replacement costs over the asset lifecycle

Our Approach

We design and manufacture the world's best tanks, collaborating with clients to deliver customised solutions.

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.

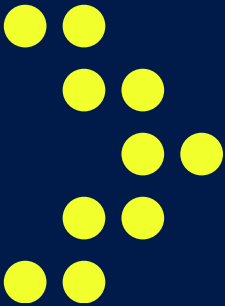
We have processes and highly experienced engineers who take care of the detailed designs for our client's solutions.

Manufacturing & Installation

We are fully equipped and qualified to manufacture and install silos. Our production facility allows us to produce the 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 clients 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.



Access Better
Knowledge

Markets We Serve



Agriculture

Our Silostore 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.

Renewable Energy and Pulp & Paper

According to a recent study, renewable energy is already 21.3% of worldwide energy consumption.

Our composite tanks have been designed to store biodiesel, bio-methanol, biomass dry goods, co-products, glycerine, and wood pellets.



Construction

CSG Composites has over 50 years of experience in the construction market and is a preferred supplier for specialized turnkey solutions. Their composite technology ensures high resilience and safety in tanks, offering design flexibility, damage resistance, and low maintenance for optimal client solutions.

Food & Beverage

The reason CSG Composites is 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.

Our silos consistently deliver better results for consumables, requiring no maintenance other than routine cleaning.



Models & Sizes

LIQUID SILOS

Applications:

Liquid Fertiliser, Molasses, Water, Chemicals,
Industrial Applications

Sizes:

1.6m³ - 240m³

Specific Gravity

- Series 1 (Up to 800kgs/m³)
- Series 2 (800kgs/m³ - 1200kgs/m³)
- Series 3 (1200kgs/m³ - 1500kgs/m³)
- Series 4 (15,000kgs/m³ - 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 - 240m³

Specific Gravity

- Series 1 (Up to 800kgs/m³)
- Series 2 (800kgs/m³ - 1200kgs/m³)
- Series 3 (1200kgs/m³ - 1500kgs/m³)
- Series 4 (15,000kgs/m³ - 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 sweating and seed germination)
- UV stabilised
- Food grade
- No rust (internally or externally)
- 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
- Vented 740mm top hatch (remote operation as standard but other options available)

DRY GOODS SILOS

Applications:

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

Sizes:

1.6m³ - 250m³

Specific Gravity

- Series 1 (Up to 800kgs/m³)
- Series 2 (800kgs/m³ - 1200kgs/m³)
- Series 3 (1200kgs/m³ - 1500kgs/m³)
- Series 4 (15,000kgs/m³ - 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:

16m³ - 60m³

Specific Gravity

- Series 1 (Up to 800kgs/m³)
- Series 2 (800kgs/m³ - 1200kgs/m³)
- Series 3 (1200kgs/m³ - 1500kgs/m³)
- Series 4 (15,000kgs/m³ - 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



Our Silostore range offers various options and accessories to complement our silos, including configurational and process equipment. We aim to meet and exceed each customer's unique needs and 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



Sizing Charts

ALL APPLICATIONS & INDUSTRIES

Model No.	Diameter (mm)	Length (mm)	Capacity (m ³)
SS120/1	1200	2950	1.6
SS150/3	1500	3460	3
SS170/4	1700	3650	4.4
SS220/7	2200	4150	7.4
SS250/11	2500	4900	11.7
SS320/22	3200	5550	22.7
SS400/33	4000	5840	33.5
SS400/37	4000	6140	37.2
SS400/50	4000	7150	50
SS400/60	4000	7440	60
SS400/70	4000	8730	70
SS450/80	4500	8840	80
SS450/100	4500	10090	100
SS450/120	4500	11340	120
SS450/150	4500	13240	150
SS450/200	4500	16390	200
SS450/250	4500	19540	250



"The product outflow of the Silostore has been great. The resin finish on the inside is a glass like so nothing sticks to it. It's really easy to clean, you can just hose it down. **Due to the FRP design, it won't rust or corrode.**"

"I would definitely recommend Silostore to other agricultural businesses. **The FRP silos are built to last** and the team at CSG Composites are very experienced with the resins. I'm really happy with the Silostore."

—
Kim Whitechurch, Owner, Whitechurch Farms

Project Profiles

WHITECHURCH FARMS

OVERVIEW

Located in Grenfell, NSW, on a picturesque 1100-hectare property, the Whitechurch family farm with nearly 100 years of history has seamlessly integrated tradition with innovation.

Specialising in Merino sheep farming and with crop rotations of wheat, canola and barley, this farm showcases the adaptability and resilience of modern agriculture. Central to their operations is the Silostore Silo from CSGComposites, a fibre-glass reinforced plastic (FRP) silo, a game changing investment for their fertiliser silo storage needs.

The Silostore is located on their farm “Booroola” and the farm where the family has been for 6 generations is “Wendouree”, where Kim and Jennie’s son Ashley lives with his wife Roslyn and their two boys.

CHALLENGE

Kim and Jennie Whitechurch, the owners of Whitechurch Farm, had been using some temporary solutions to store their fertilisers.

They were looking to find a reliable, long-lasting solution for storing their liquid and dry fertilisers. They needed something that was durable, didn’t rust or corrode, and offered easy maintenance and longevity.

“Before adopting Silostore, we used a steel galvanised transportable bin for a silo, which had several issues. It had a short lifespan due to being prone to rust and corrosion”, said Kim Whitechurch, the farmer and owner of Whitechurch Farm.

“There are other steel silos or poly type silos we could have used, but they don’t have the lifespan of a fibreglass reinforced plastic silo. This Silostore will easily last another 50 years, so its great value for money. 97 years of farming teaches you that it’s better to buy quality in the first place – it may cost more but it costs less in the long run”, said Kim.

With plans to improve efficiency and storage longevity, Whitechurch Farm sought a more durable and versatile solution.

IXOM

SCOPE OF WORK

Design, supply, and transport of silos.

Our client needed a solution to easily decant wastewater from a mining treatment plant so it could be sent for further treatment off site.

They chose Silostore due to ease of installation (lightweight), ease of decanting the wastewater and the short lead time.

LOCATION

Ulan, NSW

INDUSTRY

Industrial - Mining

PRODUCT TIMELINE

8 Weeks

PROJECT & SCOPE OF WORK

- 2 x Silostore Silos for processing waste water from a mine water treatment plant
- Design and supply of Silostore Silos
- 2 x 100m³ silo to suit this application

RIDLEY

SCOPE OF WORK

Supply pellet silos for production capacity upgrade.

INDUSTRY

Agriculture - Animal Nutrition

LOCATION

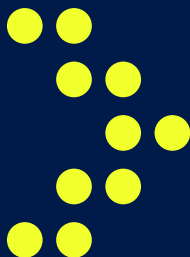
Toowoomba, QLD

PRODUCT TIMELINE

6 Weeks

PROJECT & SCOPE OF WORK

- 3 x Silostore Silos for pellet storage and processing
- Design and supply of Silostore Silos
- 3 x 13m³ silos
- 60° cone base for optimum flow.



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