

The image features a background of several large, conical grain storage silos with corrugated metal roofs. The silos are arranged in a row, receding into the distance. The sky is a pale blue. The entire image is overlaid with a semi-transparent purple geometric design consisting of large triangles and polygons. The Allied M Grain Systems logo is positioned in the upper left, with the text 'ALLIED M' in a large, bold, white sans-serif font, and 'GRAIN SYSTEMS' in a smaller, all-caps, white sans-serif font below it. A thin orange horizontal line is located just below the company name.

ALLIED M

GRAIN SYSTEMS

**ON-FARM
STORAGE**

ALLIED
GRAIN SYSTEMS

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ABOUT US

Allied Grain Systems have over 30 years experience in the grain storage and conveying industry. We are market leaders in this field. Our philosophy is to build cost-effective grain storage and handling systems that suit specific requirements, will last, and take into consideration future needs to remain cost-effective to run and maintain, all without compromising quality.

A handwritten signature in black ink, appearing to read 'J. White', is displayed on a light background.

JOHN WHITE

DIRECTOR



AUSTRALIA'S LEADING SUPPLIER FOR ON-FARM STORAGE

Allied Grain Systems are Australia's Leading Supplier of On-Farm grain storage. Thanks to our partner AGI we are able to supply FRAME grain storage silo's ranging from 300T - 2500T.

Allied has more than 30 silo sizes to choose from in the AGI FRAME product range. We work to ensure you receive the highest quality silo or complete grain storage system available in Australia. The quality and finish is second to none. All Silos and Foundations supplied by Allied have been certified as meeting Australian Standards by independent structural engineers.

Allied Grain Systems offer a one stop shop for your farm storage needs. Design, construction & project management is completed in house, ensuring projects are delivered on time and within budget.



ON-FARM STORAGE SYSTEMS THAT PROTECT VALUABLE GRAIN & THE PEOPLE WHO GROW IT

Why Sacrifice strength and long life for price?

You've invested money, time, intelligence, technology and sweat into your crop. You deserve an on-farm grain storage system that protects that investment with ease.



The Strongest, highest-rated roof system in the industry

The standard 30 degree roof pitch ensures maximum storage capacity even with high angles of repose.

G-210 galvanization throughout for longer life

Every roof, sidewall and hopper we make uses G-210 galvanization, which adds up to 27% longer life than competitors who settle for G-90.

Industry-leading bin safety equipment & accessibility

From sturdy ladders & stairs to roomy access doors & walkaround platforms. Everything we do is focused on making your grain storage system as safe & easy to use as possible.



Up to 27% longer life

Why G-210 Galvanization Matters

Allied Grain Systems uses G-115 hot-dip galvanization on key components of every on-farm storage bin system.

Industry research indicates that G-115 galvanization can extend the life of the galvanized coating on the bin's surface by up to 27% over competitors who settle for G-90 galvanization.

That means the galvanization on your bin maintains its integrity longer - and that means greater service life, increased reliability, optimal grain protection and a better return on investment for you.



Commercial grade quality at an affordable price

Our on-farm storage systems are rugged, reliable and long-lasting - providing outstanding performance and value over the long haul.

Silo sealing to AS2628-10

Through years of development we have designed the most comprehensive seal and fumigation recirculation system. Achieving maximum insect kill when fumigating.

Performance tested & field proven

The sidewall sheets are made from 0.8mm to 5mm galvanized steel, while the bin stiffeners range from 0.8mm to 6mm galvanized steel (standard 600 g/m², tensile strength up to 470 N/mm², and yield stress up to 420 N/mm²).

Roof System

Design details that surpass industry standards - and your expectations.

Frame silos feature a robust roof design with a standard 30-degree pitch for optimal storage capacity, even with high angles of repose.

- The roof segments, made from high-quality tensile steel, are ribbed and form a strong modular system, with each segment shaped and punched on an automated production line.
- An inspection/access manhole is included in every roof assembly.
- Silos above the FP 18 model come with an internal galvanized steel structure to support peak loads up to 3,000kg and multiple temperature cable suspension points. This is available on request for FP 16 and FP 17 models.
- The simple design allows quick assembly, using galvanized "Z" section beams connected laterally and braced with single A-frames for stability during both erection and use.



Easy Access Sidewall door

All Frame FP silos come with a heavy-duty hinged single ring sidewall door in the second ring as standard. The reinforced inner door swings open easily. The welded frame is hot-dip galvanized after production. Additional sidewall doors, along with vertical access ladders and platforms, are available upon request.

The center cap and inner ring assembly, available on models FP 11 to FP 36, offer a large load-bearing area to support catwalks and equipment without the need for on-site fabrication. Frame FP silos can be equipped with various roof vent designs, including low-profile, curved, and powered vents, all fitting over pre-punched roof apertures with a pre-formed lip and gasket for a weather-tight seal.

ON-FARM GRAIN STORAGE

Setting the industry standard for strength, long life & quality

- The highest-rated roof system in the industry - without question
- G-115 galvanization throughout; 27% longer life than competitors who settle for G-90
- Sealed to Australian Standard AS2626 with a 5 year guarantee on our seals
- Industry-leading bin safety equipment & accessibility features that help you comply with OSHA
- Commercial grade quality & strength at an affordable price
- Available from a company you can trust with our unmatched service



Aeration Fans

Rugged, efficient grain bin fans engineered to run a long, long time.

Axial Fans (Standard 24" or 28")

- Motors are specifically designed for use in axial fans and designed to run at less than full load amperage to extend motor life and increase fan efficiency
- Unique airfoil profile of precision blades provide high airflow with low horsepower requirements, saving energy costs
- Blades are precision balanced for low vibration
- Fan housing fabricated from heavy gauge galvanized steel; bolted together to eliminate cracks and breaks typically associated with welded housings and rolled flanges.
- 2.2 kW to 7.5 kW models available



Optional Centrifugal Fans

- Designed for high air flows at low to medium static pressures - typically out performing vane axial fans (propeller type) of the same horsepower when operating at over 4" of static pressure
- Special airfoil blades provide maximum air output while minimizing noise
- Most fan wheels constructed with energy efficient continuously welded airfoil blades for optimal safety; keeps water out to prevent imbalance
- Fan housing fabricated from heavy gauge G-90(Z275) galvanized steel and assembled with special locking bolts and nuts for rust-free long life and minimum maintenance
- 11 kW to 18.5 kW models available
- Optional high speed models also available



Aeration Floors

Aeration is key in preventing insect development, mold growth and moisture migration. As grain is cooled, insect development slows down and is negligible at temperatures below 15 Degrees Celsius. Aeration systems can be used for either drying grain, cooling grain and for maintaining grain quality when stored over a longer time frame.

Allied Grain Systems offers T aeration as our standard in all on-farm flat bottom silos. This design uses a 1220mm wide cross trench design, providing a good percentage of the grain mass exposed to air flow. T Aeration floors are the most economical solution.

Full floor aeration is offered as an option for clients that are introducing a higher moisture grain inside the silo. It gives nominally 95% of air floor exposed to the grain mass. Full floor aeration is suspended above the silo concrete base.

Benefits of Aeration

- Early harvesting of high moisture grain.
- Greater harvest flexibility.
- Control over grain quality.
- Ability to even out moisture levels.
- Cooling capacity.
- Ability to even out temperature.
- Ability to prevent moisture migration.

Hutchinson Heavy Duty Bin Unloading Systems

Allied Grain Systems have exclusive access to Hutchinson unloading systems. Hutchinson heavy duty unload systems are the strongest and most reliable on the market.

Features

- Unload and sweep flight both powered with one externally mounted drive.
- 25 Degree incline head to allow better clearance when unloading silos
- Unloading capacity of up to 140TPH on wheat
- Options for Electric, hydraulic or PTO Drive off unload incline head
- Sweep end wheel with 8.5:1 Reduction drive.



Silo Sealing & Fumigation Systems

Through continued improved design, testing & consultation with the department of Grain Research, we have developed sealed silos and fumigation recirculation system that allows our clients to achieve maximum insect kill when fumigating stored grains in an Allied silo.

All Allied Grain Systems silos are sealed to Australian Standard AS2628-20210 with full details supplied with all quotes.

Pressure testing Sealable Silos

Fumigating with phosphine in unsealed silos does not kill pests at all stages of their life cycle. Repeat fumigations in unsealed silos increases resistance and selects insects with a higher phosphine intolerance. Pressure testing a silo ensures it can hold has concentrations sufficient to kill all insects at all life stages.



Fumibox

Rapid introduction of phosphine into sealed silos and uniform distribution of phosphine into all areas of sealed silos.

Features

- Portable unit on wheels - easily shift between silos or properties.
- Fumigation completed at ground level.
- Powder coated or galvanised finish.
- Multiple trays allows fumigation with 5,000 tablets.
- Clean out tray for ease of tablet residue disposal.
- Single phase fan motor.

For best results use blankets in silo head space and inside the fumibox in conjunction with tablets. Always refer to tablet manufacturers label and safe use instructions.



Side Wall Stairs & Ladders

Safety and quality that are several steps above the competition

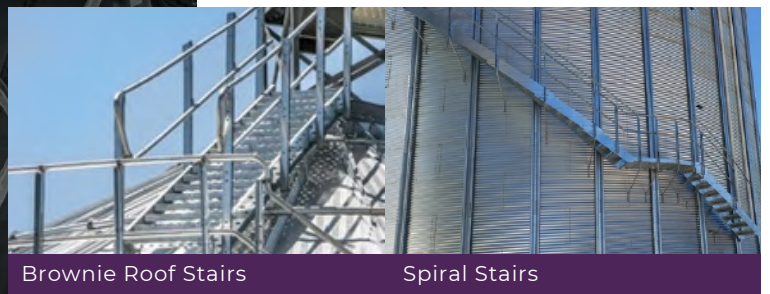


Personal safety and easy accessibility are hallmarks of on-farm storage systems from AGS. Thanks to our AGI Global Industries “family” affiliation with Brownie Systems, we can offer a wide range of industry-leading stairs and ladders that are a perfect match to our on-farm grain storage bins - at a competitive price.

All galvanized steel construction ensures long life and lasting strength under the most demanding conditions.

Extra-wide step and toe space provide additional confidence and safety, while helping you comply with OSHA regulations

Extruded non-slip stair helps prevent build-up for sure footing under tough conditions and heavy loads.



Brownie Roof Stairs

Spiral Stairs

Standard Sizes Table

	Capacity (T) Wheat	Volume Cubic Metres	Diameter Metres	Eave Height Metres	Overall Height Metres	Concrete Base Height	Min Auger Required Feet
FPS 10							
FPS 10/08	496	636	9.10	8.98	11.40	0.6	70
FPS 10/09	552	708	9.10	10.10	12.52	0.6	70
FPS 10/10	609	781	9.10	11.21	13.64	0.6	90
FPS 10/11	666	854	9.10	12.33	14.76	0.6	100
FPS 12							
FPS 12/08	726	931	10.91	8.98	11.93	0.6	70
FPS 12/09	807	1,035	10.91	10.10	13.05	0.6	80
FPS 12/10	889	1,140	10.91	11.21	14.16	0.6	90
FPS 12/11	970	1,244	10.91	12.33	15.28	0.6	100
FPS 14							
FPS 14/08	1,004	1,287	12.73	8.98	12.45	0.6	70
FPS 14/09	1,115	1,430	12.73	10.10	13.57	0.6	100
FPS 14/10	1,226	1,572	12.73	11.21	14.69	0.6	100
FPS 14/11	1,337	1,714	12.73	12.33	15.81	0.6	100
FPS 16							
FPS 16/08	1,332	1,708	14.55	8.98	12.98	0.6	80
FPS 16/09	1,477	1,894	14.55	10.10	14.10	0.6	90
FPS 16/10	1,622	2,080	14.55	11.21	15.21	0.6	100
FPS 16/11	1,767	2,266	14.55	12.33	16.33	0.6	110
FPS 18							
FPS 18/08	1,712	2,196	16.37	8.98	13.44	0.6	90
FPS 18/09	1,896	2,431	16.37	10.10	14.56	0.6	100
FPS 18/10	2,079	2,666	16.37	11.21	15.68	0.6	100
FPS 18/11	2,264	2,902	16.37	12.33	16.80	0.6	110

We offer an extensive range of sizes to cater to a variety of needs. Should you require a more customized solution tailored to your specific requirements, rest assured that we can provide an appropriate option to meet your needs. For more information about our full range of products and services, or to discuss your particular needs in greater detail, please do not hesitate to contact us at 1800 689 433. Our team is ready and available to assist you in finding the perfect solution.

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