

DID YOU KNOW?

Aquadam specialises in developing new, technologically advanced and comprehensive water storage products to improve efficiency. We will continue to design, manufacture and sell products that consistently exceed our customers' needs and expectations.

Impact Durability

Tougher than
traditional
steel tank
options.

The Rhino Tank is a tough bolted steel tank covered with a thermally bonded epoxy coating for higher impact durability. Highly corrosion and chemical-resistant, this tank is virtually resilient to on-site damage and exceeds coating requirements.

WHY CHOOSE A RHINO TANK

With value engineering and cost benefits at the heart of material selection, Aquadam's Rhino Tank is a bolted steel tank that is far more robust than traditional steel options.

Design life

The Rhino Tank's inherent performance properties, ensures the end user receives the best design life expectancy available. The company's quality assurance standards deliver a tough product that is more than capable of operating according to industry specifications.

Aquadam's Rhino Tank offers...

- the most durable bolted tank coating in the market,
- the most efficient bolted structural shell designs,
- virtually every possible colour (no repainting required),
- suited for storing a wide variety of liquid chemicals,
- high resistance to aggressive contents.
- a full range of optional extras; roofing, access ladders, staircases, rest and working platforms and walkways.

Superb coating

The coating used for the Rhino Tank is called the

Fusion Bonded Epoxy system. This system is a dry electrostatically charged coating and fused for life to the tank sheets around 280°C. Internal bolt holes and sheet edges are also coated to give extra protection.

Tougher than glass it does not easily damage on site, chip, crack or flake when bolts are tightened. Compared to more traditional tank coatings, the epoxy coating ensures higher durability, lower manufacturing costs and a lower carbon footprint.

Optional colours

The Rhino Tank is available in a range of colours with no additional surcharge in green, desert sand, blue, red, brown.

Chemical stability

The Rhino Tank has a wider range of chemical suitability than glass lined steel tanks, with a pH suitability of 2-11 and temperatures of up to 60°C. The UV stabilised coating is suitable for temperate, humid and abrasive desert conditions.

Economic advantages

Optimum product performance begins with the design

CHOOSE THE CAPACITY OR SIZE FOR THE SPECIFIC APPLICATION AND AREA

CAPACITIES



1.26m



12.06m



2.399m



42.892m



5m³
(5,000lt)



5,108m³
(5,108,000lt)

APPLICATIONS

- Agricultural slurry storage
- Anaerobic digestion
- Aquaculture
- Biomass/biofuel storage
- Demineralized water storage
- Leachate treatment
- Liquid storage (crude oil, distillates, drilling fluids, brines, acids, alkalis, ethanol, vegetable oils, fire water)
- Potable/clean water storage
- Reverse osmosis plants
- Sewage treatment plants
- Sludge treatment plants
- Wastewater storage

DESIGN SPECIFICATIONS

Epoxy coatings are tested to stringent standards and meets or exceeds the following internationally comparable coating requirements:

ISO 12944	EEA 7.24
WIS 4-25-01	EEA 7.25
ISO 28765:2008	AWWA D103-97
EEA 7.20	WRAS

and manufacturing process and ends with installation. Retaining in-house control and quality in each of those critical areas is vital in ensuring consistent high levels of performance. Epoxy coated panels are precision fabricated to meet all your requirements for a longer tank life which means lower life cycle costs and a quicker return on investment. Installation requires less field equipment with shorter turnaround labour and considerable cost savings. □

FEATURES

- Bolted steel tank with a fusion bonded coating application
- High strength steel with an excellent resistance to aggressive contents
- Hydrostatic design to withstand loads when filled to capacity
- Wind load design to withstand wind speeds up to 81 m.p.h when empty
- Seismic design to withstand loads resulting from seismic forces e.g earthquakes
- Tanks sheets are hot rolled from low carbon, non alloy mild steel plates
- Rolled structural angles and wind stiffeners
- Tank bolts encapsulated with a high impact polypropylene copolymer
- Highly resistant sealant between the sheets for water tightness
- External colours available, no repainting required
- Higher impact durability and resilient to on-site damage
- Lower manufacturing costs with a longer life expectancy



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Speak to one of our water storage specialists or visit aquadam.co.za

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