



AQUAMATE

POLY LINED STEEL TANKS



Maxi
TANK

Durable - Reliable - Affordable

10 reasons to choose the Aquamate Maxi Tank

1. Knowledge & Expertise

Aquamate began life in the early 1980's repairing leaking concrete water tanks. The concrete tanks were failing due to a variety of reasons including, natural ground movement, poor workmanship or lack of correct materials available during installation. A solution to these problems was found in 1986 when Aquamate installed its first kit form poly lined steel tank. The tank was easily transported to site, constructed in a day in most cases and remained impervious to any natural ground movement. With 1,000's of tanks sold throughout Australia, Aquamate has established itself as the leader in providing large volume water storage solutions.

2. Galvanised to last longer than ZINCALUME® steel

Today, there are other suppliers of poly lined steel tanks, many claiming that ZINCALUME® steel will outlast Galvanised materials in

this application. Simply put, Aquamate knows this is not true. When a tank is full, the liner is pressed up against the inside wall, causing condensation to be trapped between the liner and the tank wall. The corrosion to ZINCALUME® steel is inevitable due to the moist conditions & the lack of oxygen (air), which ZINCALUME® steel requires to form its stable oxide films that would normally prevent further corrosion.

For example, ZINCALUME® steel roofing & wall cladding on a shed will out perform Galvanised steel because the steel is able to "breathe" (form its stable oxide films). However, if the ZINCALUME® steel wall cladding comes in contact with the ground rapid corrosion can occur. This is due to the moisture in the ground and the fact that the steel is unable to breathe. That is why shed manufacturers use only galvanised steel for the posts which will be buried ie moist conditions and unable to breathe. The same example is found in fencing and all other structures made of steel. There is one overriding reason why some tank companies promote ZINCALUME® steel in this application, cost. On average Galvanised coated steel costs 33% more than ZINCALUME® steel. This is because the Galvanised material that Aquamate supplies has a minimum Zinc coating of 450grams/sqm whilst ZINCALUME® steel



only has a minimum Zinc/Aluminium coating of 150grams/sqm. That's 3 times the coating mass of ZINCALUME® steel!

Another reason is because they can offer a range of COLORBOND® steel colours using the same cheaper AZ150 coated material roofer's use when they supply a bull nose verandah. Aquamate supply a variety of COLORBOND® steel colours because we have our steel supplier manufacture the more expensive Galvanised Z450 material with a COLORBOND® steel finish. This material is exclusive to Aquamate. If you're still not convinced Galvanised material would outlast ZINCALUME® steel in a poly lined steel tank then we suggest you obtain independent advice. Ask a traditional tank maker, a shed builder, a fence contractor or a corrosion engineer as to why they would use only Galvanised material in an enclosed moist environment.



Rural - Domestic - Commercial - Industrial

3. Solid Polypropylene Liner

The Polypropylene liner Aquamate uses to retain water is a highly flexible form of the same base material found in today's car bumpers & side mouldings. In addition to its outstanding toughness, the Aquamate Polypropylene liner has many other important characteristics that make it ideally suitable for water tank applications.

• Approved for contact with drinking water

Aquamate's Polypropylene meets all Government requirements for contact with drinking water both here in Australia & overseas. Many other products leach their plasticiser over time causing the water to be contaminated. Aquamate's Polypropylene does not have a plasticiser, therefore it does not leach anything into the water. This means your water is kept clean & free from contamination.

• 700% Elongation at Break (ASTM D638)

Aquamate's Polypropylene ability to stretch 700% before breaking ensures it can easily cope with moulding itself to the contours on the ground, on the wall and even over the heads of the bolts holding the tank together. Not having a plasticiser to leach out means that the Polypropylene will never become brittle ensuring it retains its flexibility indefinitely. Aquamate takes an engineered approach to the choice of liner. We understand it is better to allow for movement rather than trying to constrain it. The liner experiences constant changes in pressure as the water moves up and down and presses the liner hard against the steel. Loose above the water line, tight underneath it. This line constantly alters.

• Fatigue resistance

Other Poly lined steel tank companies promote reinforced liners in their tanks. These so called reinforced liners can be more accurately described as plastic coated fabrics which in most cases are much cheaper than a solid Polypropylene liner because 80% of their thickness is made up of an inexpensive woven fabric which serves no purpose in retaining water. Fibres are susceptible to what is known as fatigue fracturing. Much like a wire coat hanger, if it is bent back and forth enough times it will break. A liner inside a tank can fold on itself



hundreds of times as the tank fills, then unfold as the tank empties. This is why Aquamate does not use a liner that is prone to fatigue fracturing as are so called reinforced liners.



4. **Hot dipped galvanised roof trusses which sit above the water line**
5. **High tensile M10 x 25mm galvanised tank bolts & nuts**
6. **3mm galvanised angle ring at the top of the wall for extra strength & roof support**
7. **Full length roof sheets (we don't join sheets to obtain the correct length)**
8. **Australia wide representation**
9. **20-year no leaks warranty**
10. **Fast, efficient & friendly service**

Range and Accessories

OPTIONAL ACCESSORIES

Rainsaver Collection System

All Aquamate tanks are supplied with corrugated roofing sheets (unless otherwise requested).

This enables Aquamate to offer a unique water catchment system for the roof of the water tank. Patented "Rainsaver" caps are placed at the end of each corrugation longer than 3 meters in length to catch the water off the tank.

This system can increase your catchment area by over 100 sqmtrs (based on the AM3G607 series). In a 500mm (20") per annum rainfall area this means an extra 62,000-litres (13,700-gallons) of precious rainwater which would otherwise go to waste.

Dust & Vermin Protection

Aquamate can protect your stored water from dust, insects, frogs etc by installing a specially formulated self adhesive soft foam strip between the top of the tank wall & under the corrugated roof sheets. This simple but effective option helps insure your precious water is kept clean & pure.

Bolt Cover Fascias (as shown on the tank on the front cover of this brochure)

Aquamate can enhance the look of your tank with custom made fascias that run vertically up the tank wall hiding all evidence of the galvanised bolts protruding from the tank.

Roof Fascia (as shown on the tank on the front cover of this brochure)

Aquamate can install a fascia all round the roof to protect tall animals (eg horses) from cutting themselves on the edge of the roofing iron. It also enhances the look of your tank.

Tank Details

Maxi Tank Series #	Capacities		Dimensions (m)	
	Gallons	Litres	Diameter	Height
AM3G052	5,200	23,900	3.7	2.2
AM3G076	7,600	34,400	4.5	2.2
AM3G103	10,300	46,800	5.2	2.2
AM3G134	13,400	61,100	5.9	2.2
AM3G170	17,000	77,300	6.7	2.2
AM3G210	21,000	95,500	7.4	2.2
AM3G254	25,400	115,500	8.2	2.2
AM3G302	30,200	137,400	8.9	2.2
AM3G355	35,500	161,300	9.7	2.2
AM3G411	41,100	187,100	10.4	2.2
AM3G472	47,200	214,700	11.1	2.2
AM3G537	53,700	244,300	11.9	2.2
AM3G607	60,700	275,800	12.6	2.2

ZINCALUME® steel, COLORBOND® steel, Wilderness®, Woodland Grey® & Classic Cream™ are trade marks of BlueScope Steel Limited

STANDARD ACCESSORIES

All Aquamate Maxi Tanks come standard with the following features

- 50mm (2") Outlet
- 50mm (2") Ball Valve (Tap)
- 50mm (2") Overflow with pipework away from the tank
- Lockable Access Hatch with padlock
- Internal / External Ladder
- Domed Roof with full length sheets
- External plastic caps on exposed bolt threads
- Galvanised Z450 finish

The following COLORBOND® steel colours are also available at an extra cost

Wilderness®	(previously known as Rivergum Green)
Woodland Grey®	(previously known as Slate Grey)
Classic Cream™	(previously known as Smooth Cream)



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Also available from the following authorised dealer