

OVERLAND WATER TANKS

MANUFACTURED IN SOUTH AUSTRALIA
BLUESCOPE Z450 GALVANISED STEEL

TANK SIZES
25,000 Lt - 375,000 Lt
Larger Industrial Tanks
also available

BUILT TO LAST



WATER STORAGE & FIRE WATER SOLUTIONS

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Why Choose Overland Services Water Tank

1. Knowledge & Expertise

Overland Services Tanks have been brought to the market after many years of erecting & repairing many different brands & types of tanks & seeing all the pitfalls & shortcuts that were being made by many tank manufacturers. Overland Services has spent several years selecting our tank models making sure we selected the best materials from the best suppliers. It was our goal to provide the best quality tank that was capable of withstanding the harsh Australian environment for many years. The Director of Overland Services has had over 30 years experience in the water & fire industry and has constructed over 1000 liner tanks.

Overland Services has a solution for you

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. Overland Services 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 trapped moisture & 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 will outperform Galvanised steel roofing because the steel is able to “breathe” (form its stable oxide films). However, if ZINCALUME® steel 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. This is why Overland Tanks use ZINCALUME® steel to clad the roof of their water tanks whilst using Z450 Galvanised steel for the walls.

This is also why shed manufacturers use only galvanised steel for the posts which will be in contact with the ground (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 water 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 Overland Tanks use 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 thickness of ZINCALUME® steel! Another reason is because they can offer a wide range of standard colours using the same cheaper zinc coated material roofer’s use when they supply a bull nose verandah. Overland Tanks offer a variety of colours because we have our supplier manufacture the more expensive Galvanised Z450 material with a coloured finish.

If you’re still not convinced Galvanised walls outlast ZINCALUME® walls in a poly lined steel tank then we suggest you obtain independent advice. Ask a traditional steel 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. Liner Materials

Geoflex Solid liner is a highly flexible form of material as used in today's car bumpers. In addition to its toughness GeoFlex™ liner has many other important characteristics that make it ideally suitable for water tank applications. Geoflex is approved & complies with **AS/NZS 4020:2005 approved for use in contact with Drinking Water**

GeoFlex™ meets all Government requirements for contact with drinking water both here in Australia & overseas. This means your water is kept clean & free from contamination.

700% Elongation at Break (ASTM D638)

GeoFlex capability 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. Overland Water Tanks use 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 various types of reinforced liners in their tanks. Many of these so called reinforced liners can be more accurately described as plastic coated fabrics which in most cases are much cheaper than a solid GeoFlex™ liner because 80% of their thickness is made up of an inexpensive woven fabric which serves no purpose in retaining water. Woven fabrics can be 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 we do not use a liner that is prone to fatigue fracturing.



OVERLAND TANKS—BUILT TOUGH



Hot dipped galvanised RHS roof trusses

High tensile galvanised tank bolts/ nuts

Heavy gauge ring beam for added strength

Available in a range of modern colours

Australia wide installations

20-year no leaks warranty (Pro-Rata)

Fast, efficient & friendly service

FIRE WATER STORAGE TANKS

COMPLIANT WITH CFS POLICY 0014 & AS2941

FULL TURNKEY SERVICE

DESIGN - SUPPLY - INSTALLATION - CERTIFICATION



CIVIL WORKS

**CONTAINERISED
FIRE PUMP
ROOMS**



HYDRANT SYSTEMS



BUILT TO LAST

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