



mining

fire protection

municipal

water conservation

food & beverage



A premium product made by SBS<sup>®</sup> Water Systems (Pty) Ltd

## SBS Tanks<sup>®</sup> Overview

**SBS<sup>®</sup> Water Systems (Pty) Ltd**, the visionary company who introduced Zinalum<sup>®</sup> tanks to the South African marketplace in 1998, is the proud manufacturer of **SBS Tanks<sup>®</sup>**, a premium liquid storage solution for multiple applications.

**SBS Tanks<sup>®</sup>** are proven reliable in the Municipal, Mining, Fire, Food & Beverage, Agricultural and Water Conservation Industries. The **SBS<sup>®</sup>** range of tanks has been engineered, designed and developed from over 16 years practical experience in the water storage industry and continues to improve from strength to strength.

The wall panels and roof sheets of all **SBS Tanks<sup>®</sup>** are made of steel that is hot dipped and coated with a molten alloy of 55% aluminium, 43.5% zinc and 1.5% silicon, commonly referred to by its trade name Zinalum<sup>®</sup>, thus rendering **SBS Tanks<sup>®</sup>** highly resistant to corrosion. Technical data sheets on Zinalum<sup>®</sup> and similar products are available on request. In some extreme cases, sacrificial magnesium anodes are applied, further inhibiting potential corrosion. All **SBS Tanks<sup>®</sup>** are fitted with an approved liner which prevents water coming into contact with the wall panels. This liner complies with the Australian Water Quality Centre standard AS/NZS 4020-2005: Testing of Products for use in Contact with Drinking Water.

**SBS Tanks<sup>®</sup>** broad product range boasts tanks with capacities from 12kl right up the largest single storage solution of its kind, the impressive 3.3Ml water storage tank. **SBS<sup>®</sup>** services South Africa, the African Continent and has a large network of approved distributors worldwide.

### SBS Tanks<sup>®</sup> are used in the following industries:

- Fire protection
- Mining
- Municipal and community water supply
- Water conservation
- Food and beverage

### Applications include:

- Fire-sprinkler and hydrant water storage
- Emergency water supply
- Potable water storage
- Raw water storage
- Water treatment plants
- Process water and waste collection

### Product Advantages

- Fully certified by professional engineers
- Unique modular design
- Rapid onsite construction
- Tank content (liquid) not in direct contact with tank walls
- Ready for operational use upon commissioning
- Vast range of accessories and spares readily available
- Installation done at safe working heights
- Low maintenance
- Freespan, dome roof with no internal columns
- Cost effective
- Tried and trusted for more than 16 years



**SBS**  
ISO 9001





mining   fire protection   municipal   water conservation   food & beverage



**SBS® Liquid Storage Tank Data Sheet**



**WALL STRUCTURE**

Zincalume® steel panels 0.8-3.88mm total gauge thickness conforming to SANS 9364 (ISO9364) and profiled to **SBS Tanks®** unique design.

**STEEL GRADE**

G300 Zincalume®.

**PROTECTIVE COATING**

Zincalume® (Zinc/Aluminium Alloy), AZ 150 heavy duty coating. Additional coatings available to meet varying environmental conditions and applications.

**COLOUR RANGE**

Mill finish - silver. All standard tanks can be painted with approved primers and paints. Range of colours available on request.

**ESTIMATED LIFE**

60+ Years under normal climate and operational conditions.

**LINER**

Multi-layer woven PVC **SBS®** 700g. Tested to AS/NZS 4020-2005: Testing Of Products For The Use In Contact With Drinking Water. Storage of various other liquids - Contact **SBS®** for further details.

**BOLT SPECIFICATIONS**

Proprietary **SBS®** bolt design M10 & M12 with serrated flange head. Hot dipped galvanized to SANS 121:2011 ISO 1461:2009. All bolts are high tensile 8.8 grade. Bolt test certifications available on request.

**DOME ROOF**

Zincalume® steel corrugated sheets 0.47mm thick. G550 high tensile grade with AZ150 coating. All trusses are hot dipped galvanized after fabrication. Clear span self-supporting roof with no center post.

**OUTLETS/INLETS**

All fittings/nozzles are manufactured from mild steel and hot dipped galvanized to SANS 121:2011 ISO 1461:2009 after fabrication. Stainless steel and HDPE fittings are available on request.

**GUARANTEE**

**SBS Tanks®** carry an industry standard 12 month workmanship and materials guarantee and a 10 year non-leak warranty is applicable provided the tank is installed by an approved **SBS®** installer.

**MANUFACTURING TIME**

Standard range, ex stock, immediately available. Non stock items typically 3-8 weeks ex factory, quantity and model dependant.

**DELIVERY TIME**

Typically 6-8 weeks ex factory.

**INSTALLATION TIME**

Typically - 1 day                      ST05/02 20kl      (on site work time)  
    - 3 days                      ST18/02 250kl      (on site work time)  
    - 15 to 17 days ST31/09 3.3ML      (on site work time)

**SITE PREPARATIONS**

Level site capable of supporting a 100kPa with sand bed or concrete ring beam as required. Site preparations to be arranged by client in accordance with engineers recommendations prior to installation of **SBS Tanks®**.

