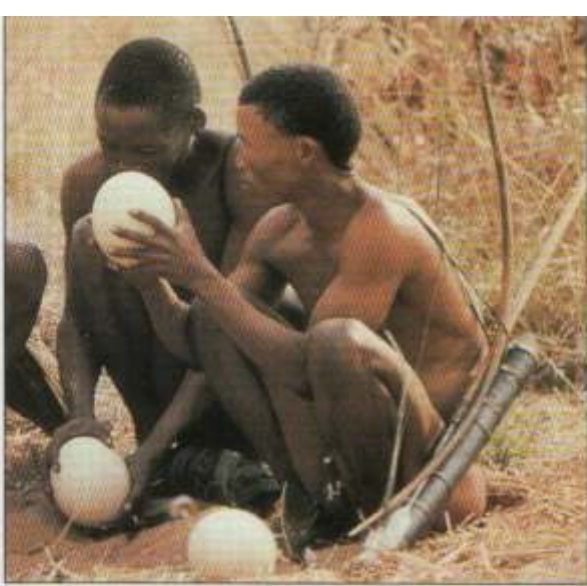




# Savanna





**T**o the Kalahari Bushman water means life! The ability to survive. A valuable commodity, it should be guarded, used sparingly and stored accordingly. Perhaps this precious commodity is symbolised in his method of storage.

The ostrich egg! perfect in shape, strong, light and a clean container to store this valuable commodity.

Savanna panels manufactured in Glass Reinforced Plastic (GRP) have replicated the qualities found in the ostrich egg.

Perfect in shape, strong and with excellent resistance to ultraviolet light will ensure that your water storage is perfectly maintained. Designed to withstand the harsh Kalahari sun to the extremes experienced in a South African goldmine.

Manufactured under controlled conditions using matched die moulds, panels are pressed in a unique moulding method, which features:

- Smooth inner and outer surfaces.
- Uniformity of panel dimensions
- High strength-to-weight construction
- High Moulding Flexibility

**S**avanna Glass Reinforced Plastic Tanks are manufactured in accordance with BS 7491 the British Standard and SSI 245.81 the Singapore Specification Institute. On average, test results have shown that all mechanical requirements had been achieved in excess of the specifications, particularly all glass - related strengths - No wonder! Savanna panels have a Glass to Resin ratio of +49% glass



**D**esigned on a modular concept, panels are perfectly square allowing complete freedom to the final tank configuration which depending on the requirements may be square or rectangular.

Completely flanged panels are bolted together and joined precisely, sealed with a unique gasket system which allows for trouble-free installation. Typically speaking a 200 m<sup>3</sup> Savanna GRP Tank could be assembled in 3 days using unskilled labour.

Bottom modular networks are assembled using a 1x1 metre Savanna panel, finitely designed to withstand the area of greatest stress.

Side modular networks are assembled using a combination of 1x1 metre and 1x 2 metre panels, depending on the desired final tank configuration. Roof panels are distinctly different in pattern to avoid any possible cross mixing side and bottom modular networks. The convex design allows for convenient rain drainage and ease of cleaning.

All fastener (Bolts/Nuts) can be supplied in Stainless steel or Galvanised..

Major cost-saving benefits achieved by Savanna Glass Reinforced Plastic panels are clearly evident.

- Colour coding of tanks with pigmented resin eg: red for fire storage / sprinkler system
- Completely corrosion-resistant
- The use of different resins to contain chemicals
- Modular design allows for trouble-free expansion of tank capacity
- No light transmission leading to the growth of algae

1m x 2m side panel

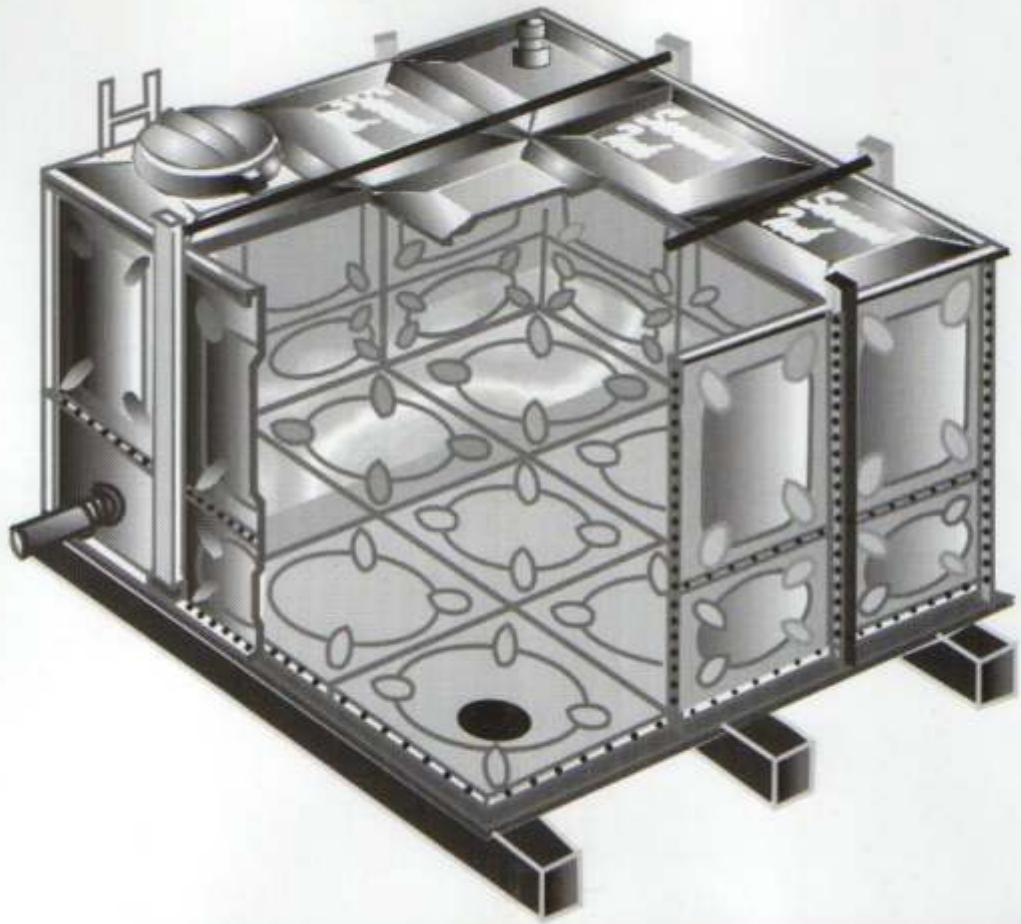


1m x 1m roof panel



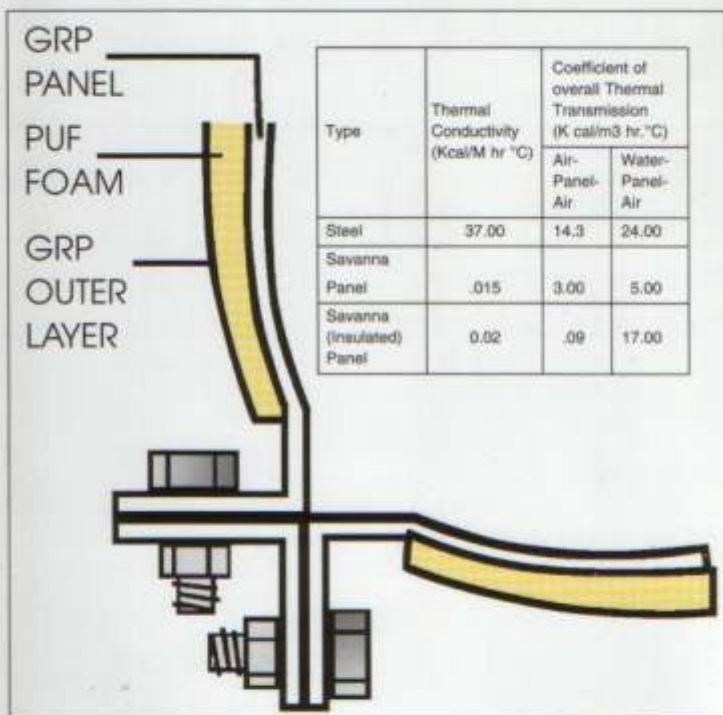
1m x 1m side panel







## Savanna Insulated Panel



## ACCESSORIES

With the Savanna Insulated Panel - CFC-free polyurethane foam - water storage is taken to greater heights. Improvements in cross water to panel to air temperature coefficients ensure that an ambient water temperature is maintained. Complying with the British By-Law 30 and Health and Safety Executive Guide line HS(G)70 perfectly.

## STANDARD TANK FITTING

All Savanna Tanks are supplied with the following fixtures;

- 600 mm Manhole
- Roof vents with plastic diaphragm (Anti-Vermin Vent)
- GRP Ladder

### OPTIONAL FIXTURES

- Galvanised Ladder (external)
- GRP Ladder (external)
- Ball Valve Box
- Level Indicator

## PIPE CONNECTIONS

External flanges are moulded into the panel face at a position best suited for the pipe entry point depending on the size of the required inlet or outlet.

Sizes and types of connections can be supplied to meet most requirements.

## TANK SUPPORT REQUIREMENTS

### Internal and External Bracing

Savanna Tanks offer two support systems on the sides of the panels for tank configurations from 2 metres to 4 meters in height.

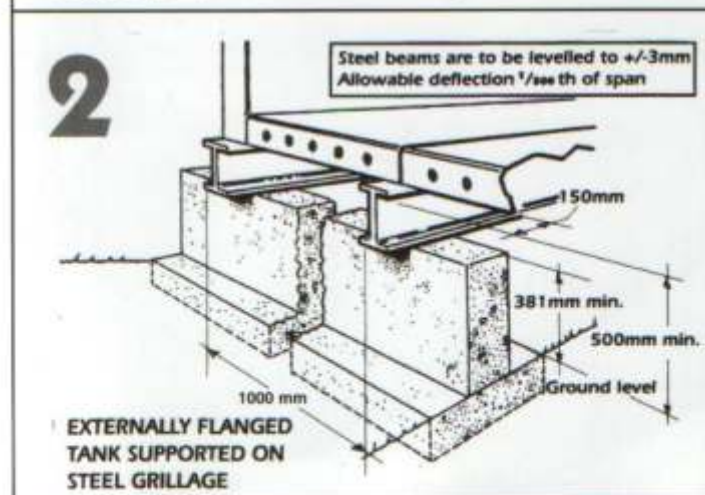
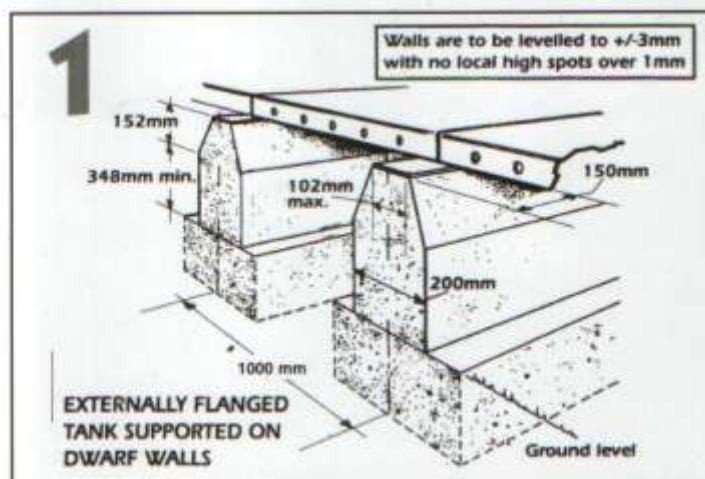
The internal support system features a network of stainless steel tie rods which provide for strength and stability. The internal bracing method is ideally suitable for restricted areas.

The external bracing method is an arrangement of universal beams bracing the sides of the tank at one-metre centres. Adjustment bolts line the universal beams on the bottom panel. Opposing beams are connected by means of tension rods which are adjusted allowing for maximum flexibility in terms of increasing future capacity. External bracing is recommended for harsh water storage.

### Base Support Requirements

Ground-based tanks can be supported by a network of dwarf walls or a universal metal skid base. In either case beams/walls should support the tank at every metre including the corners.

Special consideration is given to External or Internal bracing systems. All technical details pertaining to loads and foundation are supplied on request/order.





## SAVANNA PANEL BENEFITS



Unique modular design



Unlimited Configurations



Corrosion Free



Maintenance Free



Colour identification



U V Stabilised



Fast, efficient installation



Safe and secure water storage

## SAVANNA TANK APPLICATIONS



Desalination Plants



Rural Water Storage



Hotel Industry



Food and Beverage Industries



Medical and Pharmaceutical  
Manufacturing centres



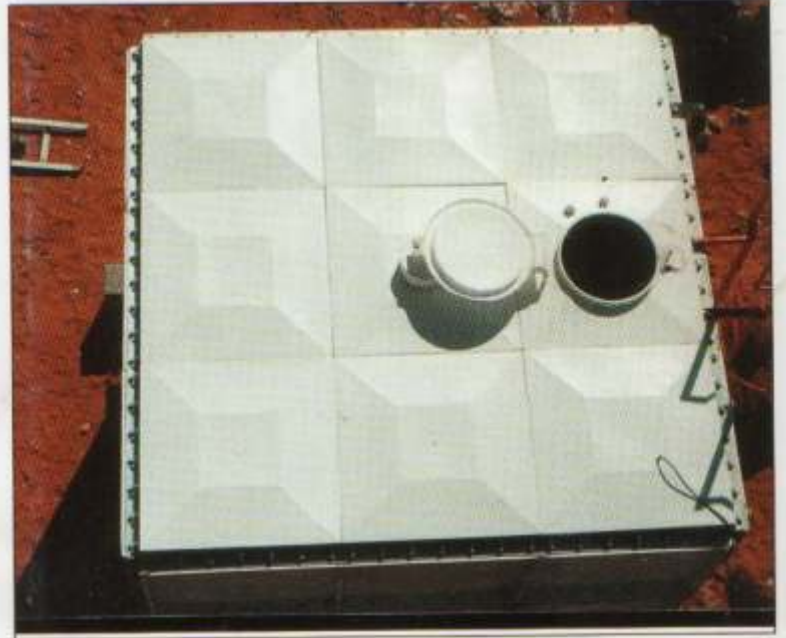
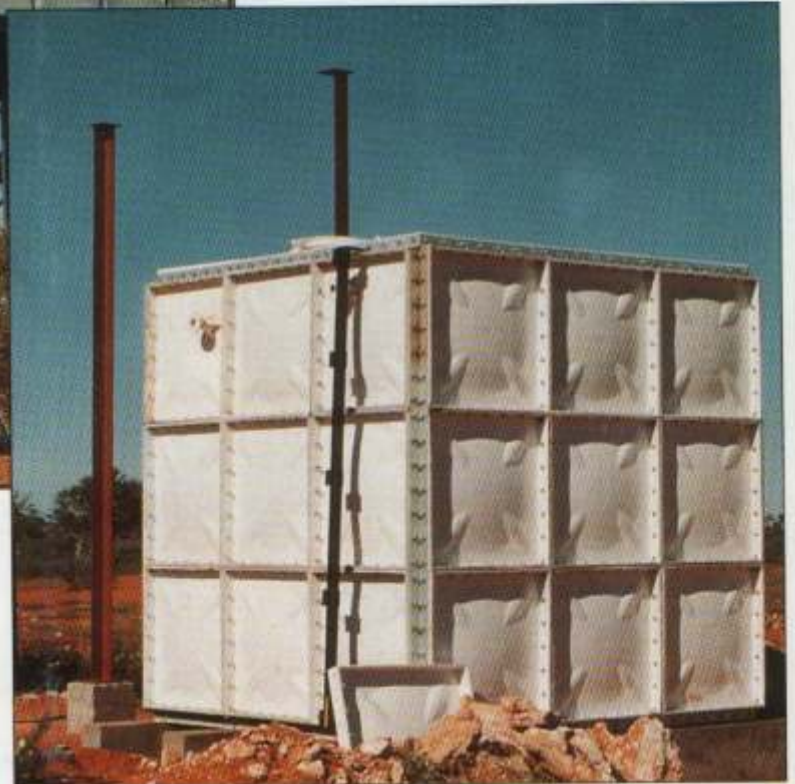
Fire Sprinkler Water Storage



Chemical Storage



# Typical Installations



Factory  
Vancouver Consolidated Investments Pty Ltd  
Savanna Tanks  
Private Bag BO 273  
Gaborone  
Botswana

Email [vci@global.bw](mailto:vci@global.bw)  
++267(Country Code) TEL:3928577, 3928045  
++267(County Code)Fax: 3925915