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DESIGN  
SOLUTIONS  
FLEXIBILITY  
EXECUTION

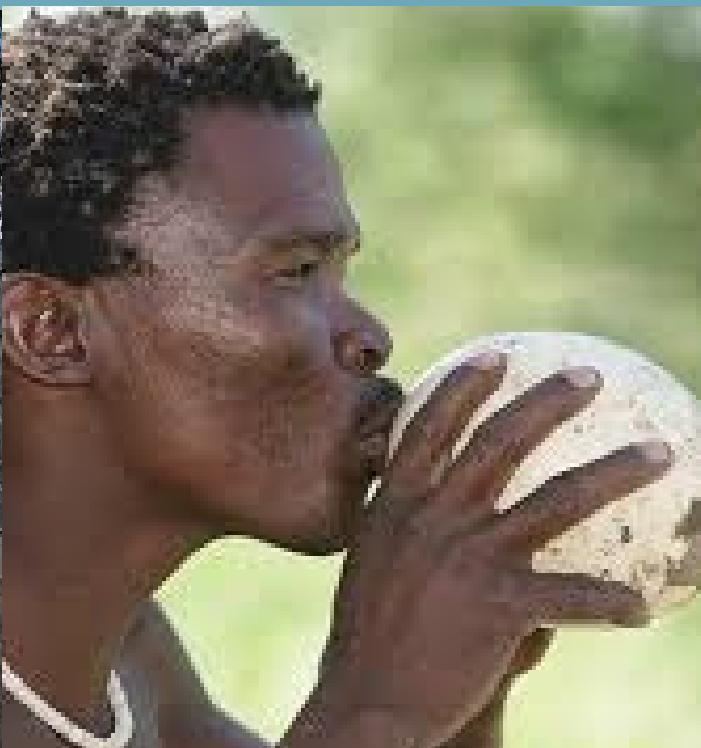


# Savanna, a Brand hidden in the secrets of the past for the future

To the Kalahari Bushman water means life !! The ability to survive. A valuable commodity , should be guarded, used sparingly and stored accordingly.This Precious commodity is symbolized in his method of storage.

The ostrich egg , prefect in shape, strong light and a clean container - Prefect natural qualities for storing water.

Savanna Tank panels , like the ostrich egg are prefect in shape, strong, and have an excellent resistance to UV light. Designed to withstand the harsh Kalahari sun to the extremes of a South African Goldmine



## Quality and Compliance

ISO  
9000

At Savanna Tanks all manufacturing is in accordance to ISO 9000:2015

SSI  
245:81

Panel manufacturing in accordance to SSI 245:81 -- BS 7491 -- BOBS 177:2006

SANS  
14713

Galvanizing Specification benchmark on all products SANS 14713:1999 , on all air to air connections

SANS  
2001

Structural Steel code of design

## The Concept

Sectional Water tanks are not a new concept it actually dates back to Pre-WW I . However GRP sectional tanks are a relatively new idea dating back to as recently as the 1970's.

Savanna Tanks panels are perfectly square allowing for complete freedom in finial tank design , be it square or rectangle .

Panels are completely flanged in a 90 Deg fashion, with a full 50 mm contact . This provides for a full and complete sealing contact. A typical 200 kL installation could take as little as 4 days to fully install.

Floor and side panel are completely unique and specific.

All fastener's are either Stainless Steel or Gs. There's no water to steel to air contact points.



# FEATURES AND BENEFITS

- Colour coding of panels
- Completely corrosion resistant
- Flexibility for chemical storage with different resin
- Trouble free expansion of older systems
- No light transmission leading to algae growth
- Faster than steel installations
- Easy to perform maintenance
- Cheaper transport options available
- Bonded Flanged connections as separate panels



# APPLICATIONS

- Desalination Plants
- Rural Water Storage
- Hotel Industry
- Food & Beverage Industries
- Medical and Pharmaceutical Centers
- Fire Tanks
- Chemical Storage
- Office Complexes and Skyscrapers
- Hospitals
- Sewage plants
- Specialized conversions for treatment



# MANUFACTURE

Savanna Glass Reinforced Plastic panels are manufactured in accordance to SSI 245.81 - Singapore Specification Institute. and SANS

On average, test results have shown at all mechanical requirements have been achieved in excess of the specification. No wonders Savanna Tank Panels have a glass to weight ratio of +49 %

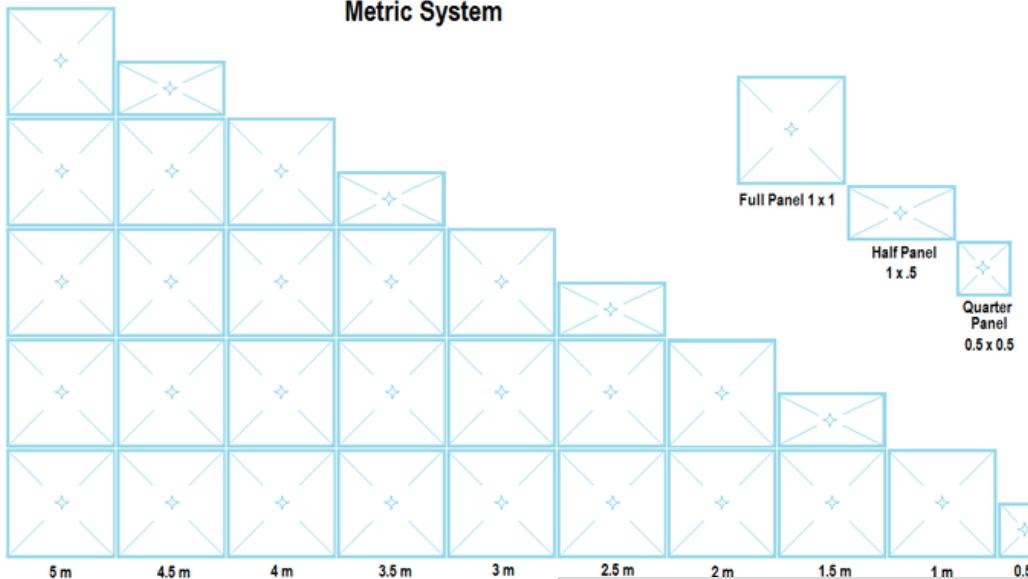
The Real tanks that hold water



# Metric sizing

## Foundations

**Metric System**



		Capacity In Cubic Volume								
		Height of Tank								
Length	Breadth	1000	1500	2000	2500	3000	3500	4000	4500	
1000	1000	1	1.5	2	2.5	3	3.5	4	4.5	
2000	1000	2	3	4	5	6	7	8	9	
3000	1000	3	4.5	6	7.5	9	10.5	12	13.5	
3000	2000	6	9	12	15	18	21	24	27	
4000	2000	8	12	16	20	24	28	32	36	
4000	3000	12	18	24	30	36	42	48	54	
4000	4000	16	24	32	40	48	56	64	72	
5000	4000	20	30	40	50	60	70	80	90	
5000	5000	25	37.5	50	62.5	75	87.5	100	112.5	
6000	5000	30	45	60	75	90	105	120	135	
7000	6000	42	63	84	105	126	147	168	189	
7000	7000	49	73.5	98	122.5	147	172	196	220.5	
8000	7000	56	84	112	140	168	196	224	252	
8000	8000	64	96	128	160	192	224	256	288	
9000	8000	72	108	144	180	216	252	288	324	
8000	8000	64	96	128	160	192	224	256	288	
9000	8000	72	108	144	180	216	252	288	324	
9000	9000	81	122	162	202.5	243	284	324	364.5	
10000	9000	90	135	180	225	270	315	360	405	
10000	10000	100	150	200	250	300	350	400	450	
11000	7000	77	116	154	192.5	231	270	308	346.5	
12000	9000	108	162	216	270	324	378	432	486	

Ground Based Tanks can be supported by a network of dwarf walls or a metal skid base or a combination of both. In either case beams/wall should support the tank at every meter including the outer corners of the tank.

Special consideration is given to the External bracing system. Visit our web site for further information

