

# GTG112000L FRESH DRINKING WATER

## STORAGE RESERVOIR



### **112,000L Capacity**

**Dimensions: 5.92m x 4.08m H**

**Tank Design Code: AWWA (American Water Works Association) D 103.**

**Tank Wall constructed with High Tensile Zincalume sheets ranging from 0.53mm to 9.7mm thickness.**

**Yield Strength: 320 N/mm<sup>2</sup>, Tensile Strength: 400 N/mm<sup>2</sup>.**

**Coating: Zincalume (Zinc/Aluminum Alloy) with AZ 150 specification.**

## PVC LINER SPECS

<b>Product Reference:</b>	MC 305 - 700g			
<b>Product Description:</b>	Potable water bladder liner			
<b>Product Characteristics:</b>	High tenacity polyester yarn coated on both sides with PVC that contains no harmful or toxic chemicals. The material is approved to hold water or to come in contact with water (liquids) for human consumption. Approved by the Australian Water Quality Center, standard - AS/NZS 4020:2005 TESTING OF PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER.			
<b>Roll Size:</b>	Water reservoir liners or dam bladder liners			
<b>Product Dimensions:</b>	<b>Tolerance</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Width	+/- 0.01	2.50	m	-
Overall mass	+/- 30	700	g/m <sup>2</sup>	BS 3424.5
Roll length		30	m	-
<b>Product Properties:</b>	<b>Tolerance</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile WMD	min.	2400	N/50mm	BS 3424. P4 M6
Tear WMD	min.	2000	N	BS 3424. P5 M7
Tear AMD	min.	250	N	BS 3424. P5 M7
Adhesion strength	min.	80	N/50mm	BS 3424. P M9b
Human consumption approved - Potable	Non Toxic			AS/NZS 4020 & SI- 5452
Fusion Acetone	min.	5	min	
Fusion Ethyl Acetate	min.	10	min	
Flex cracking	min.	250000	Cycles	
<b>Base Fabric Properties:</b>	<b>Tolerance</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Composition	Polyester	100%		
Fabric mass (g) per unit area	min.	1.17		SANS 79
Linear density (warp)		1100g/line		BS 3424
Linear density (weft)		1100g/line		BS 3424
Thread per centimeter (warp)	min.	7		SANS 86
Thread per centimeter (weft)	min.	7		SANS 86
Weave		Plain		
Detailed laboratory test results on specific parameters are available on request. Custom colours and embosses can be developed for order quantities greater than 2 000 ln.				

## DOMED ROOF SPECIFICATIONS

The tank roof is constructed using zincalume colour-coated corrugated sheeting. The roof is trafficable across truss members, complete with a heavy-duty hinged and lockable access hatch. The roof is bird and rodent proof, light and weather proof, and designed to withstand wind speeds of up to 200km/h.

<b>Trusses</b>	50x50x3mm Square tubing (SABS 657-1), Hot-dip galvanised (SABS 1461)
<b>Corrugated zincalume sheets</b>	G550 High tensile grade with AZ 150 coating
<b>Support Brackets</b>	100mm – 250mm hot dip galvanised brackets
<b>Wind Turbine</b>	All roofs are fitted with a wind turbine
<b>Manhole</b>	Manufactured from zincalume sheet to last longer
<b>Ladders</b>	The dome roof is fitted with an internal and external ladder that is hot dip galvanised (SABS 1461).

**Roof Trusses** are spaced between 1 – 1.5 meters depending on the size of the tank. It is a hazard to make the spacing bigger than 1.5 meters. All roof material are hot dip galvanised except the roof sheets that is zincalume sheets.