

GRP SECTIONAL PANAL WATER TANK

MNT WATER TANK



الوطني المهيدب لحلول المياه

ALMUHAIDEB NATIONAL WATER SOLUTIONS

Make For Generations Since 1963 منذ 1963 منم لأجيال



MNT WATER TANK GRP SECTIONAL PANAL WATER TANK

AlMuhaideb Water Tanks

Story

Every journey starts with one step, and an inspiring journey like ours has a story to match. We started our long journey in 1963, where we entered the market as a building materials trader. We obtained sufficient experience in that domain, which allowed us to assist the Saudi market's particular needs.

That was when the idea of establishing the first Saudi integrated factory for water tanks, and other fiberglass products became a reality. With the Help of God Almighty and our efforts and perseverance, we were able to reap the fruits of our labor. In 1982, we opened the first Saudi integrated factory for water tanks and other fiberglass products.

As per usual, beginnings are always in small steps until the idea grows and expands. We became the first choice in the Saudi market and managed to maintain this reputation. In 1997, we became to be known as AlMuhaideb National Tanks instead of The National Polyethylene Company.





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Catalogue



Brief Company Instructuon

- 1-COMPANY NAME : AL-MUHAIDEB NATIONAL TANKS
- 2-DATE OF ESTABLISHMENT : 1982.
- 3-ADDRESS : DAMMAM , KSA

Website : www.mnt-sa.com
TEL : 920006939

Certifications

- 1-SASO
- 2-NSF INTERNATIONAL
- 3-ASTM INTERNATIONAL
- 4-ISO 9001:2008
- 5-WARS
- 6-TEST REPORT

Engineering Consulting Offices



Our Customers



info@mnt-sa.com
+966138331400



INNObiz

Venture for Tomorrow





Special feature

The Special feature of MNT GRP Sectional Water Tank

Intensity and Durability

Glass fiber Reinforced Panel is molded under condition of high temperature and pressure to maintain the best endurance. Since using stainless steel for inside structure and HDG steel for outside, it shows best performance against erosion.

Excellent Hygiene

No corrosion from panels and prevent bacteria increasing by isolating outside light.

Watertightness

The joints are sealed with special sealing tape especially developed for water tank.

Heat Insulation and Dewdrops prevention

The heat insulation panel with 3 layer structured improves heat insulation effect. Protects water from dewdrops and minimizes temperature variation of the stored water.

Best Size Stability

GRP Sectional water tank panels size are changeless from the outside condition so assemble it accurately.

Various capacity Design

Various sized panels used limited space for its best using way so can satisfy your needs.

Easy to Assembly And Transporting

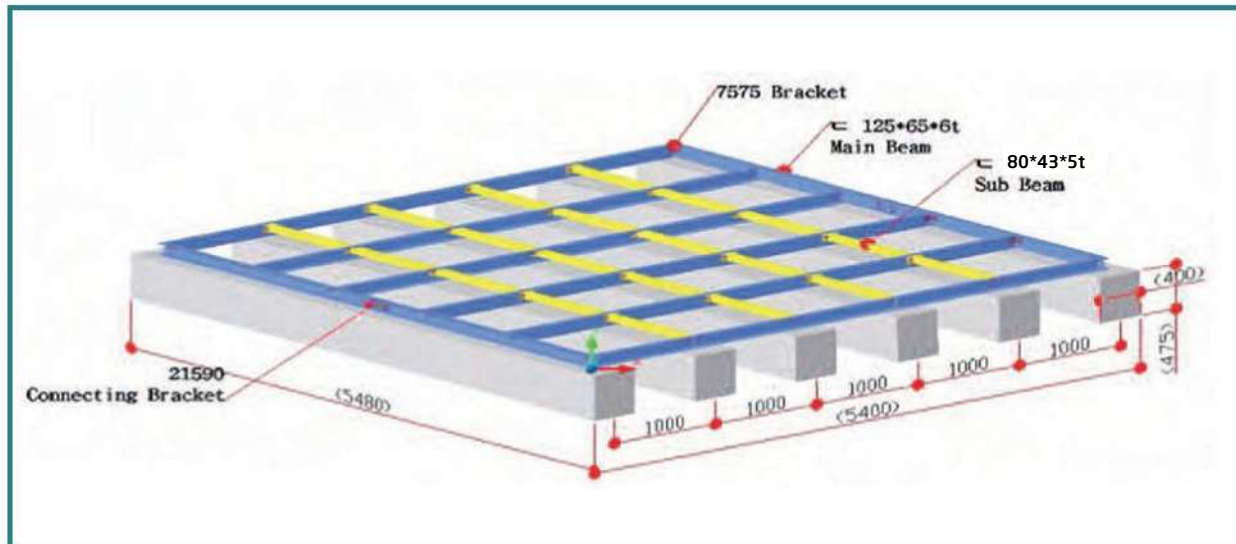
GRP Sectional panels make construction time shorter, standardization panels make easier to moving, carrying in and transfer.





Skid Base Installation

MNT reserves the right to provide alternate skid base designs.
MNT recommends an ideal concrete plinth size of 400mm(W) x 475mm(H) with maximum variance in height of not more than 2mm



Dimensions of Steel Skid Base

Height of Tanks	Main Beams	Sub Beams
1 m	Channel (120x50x5T)	Channel (80x43x5T)
1.5 m		
2 m		
2.5 m		
3 m	Channel (125x65x6T)	Channel (100x50x5T)
3.5 m		
4 m		
4.5 m	Channel (125x65x6T)	Channel (100x50x5T)
5 m		



Partition Type Water Tank

It is possible to eliminate unusable space, and utilize the maximum space by installing a partition type tank. Economical and effective maintenance.

Utilizing Maximum Capacity

In the basement or other confined areas, it is possible to eliminate unusable space and utilize the maximum space, by installing a partition type tank.

Various Uses

If partition type tanks are installed, one section can be used for drinking water and the other section for service water (fire fighting etc).

Easy Maintenance

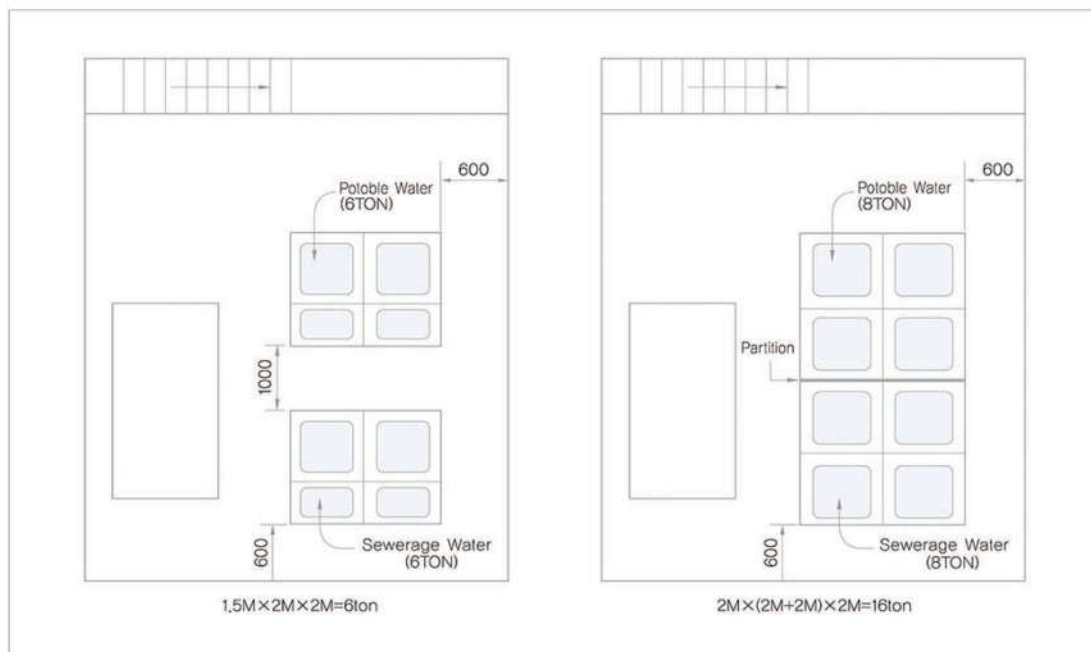
It is convenient for maintenance, because two tanks can be installed as one unit.

Cost Effectiveness

The cost and installation of 1 partition tank is cheaper than 2 separate tanks.

Example For Installation and Using

If tanks for two different uses are needed in a confined area or boiler room, a 16 ton partition type tank can be installed to use half for drinking water, and half for service water. If separate tanks are installed, however, you have to installed two tanks with a maximum of 6 tons, because you need to have 1 meter distance between tanks for maintenance and operating space.





Preparing For Installation

Base Concrete Installation Standrad

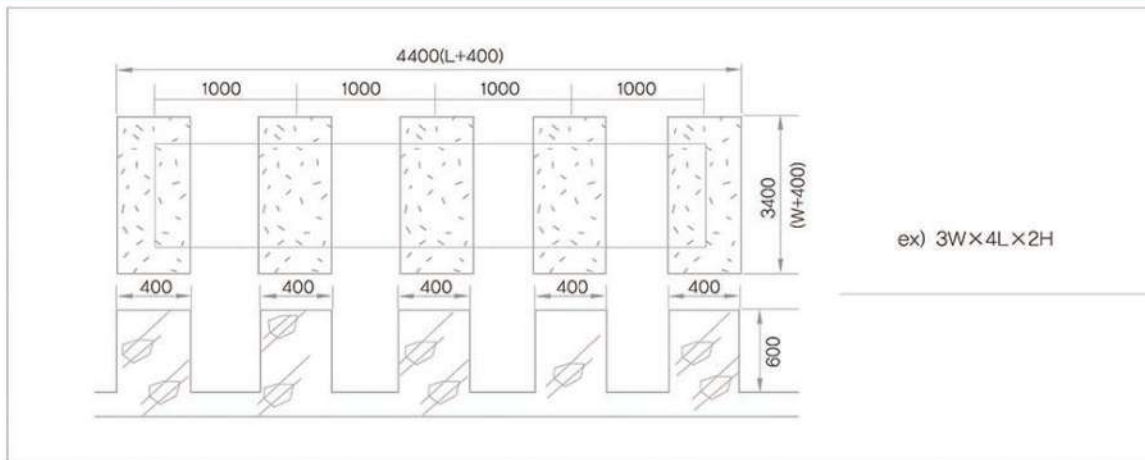
Width : 300~400mm

Outer Dimension : Width, Length +400mm

Height : over 600mm (Base frame included)

Space : less than 1m

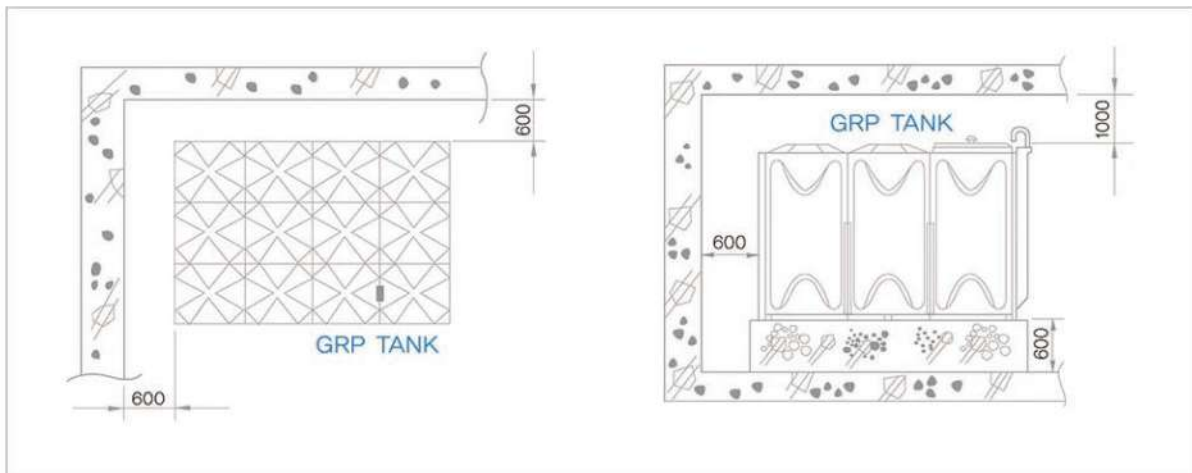
Horizontal Degree : less than 1/500 (Surface has to be horizon flat)



GRP Water Tank Installation Space

For maintenance and repairing, it is recommended to leave at least 600mm and 1,000mm extra space from wall and ceiling.

Example : 3W x 4L x 2H





Reinforcement System

Internal Reinforcement System



Excellent strength, durability, water tightness, and appearance ; safe structure design

The panels are interconnected with stainless steel tie rods in the GRP water tank to guarantee the strenght of water tank

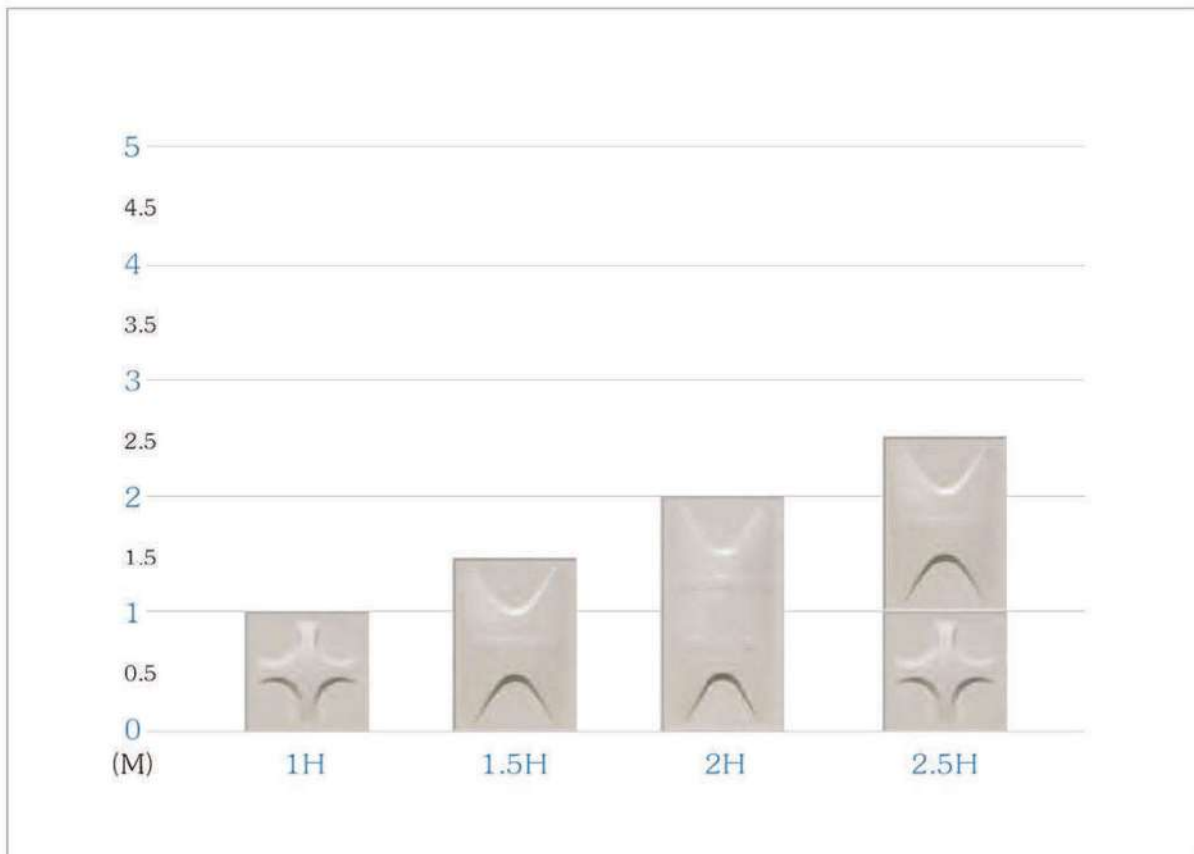


▲ Internal section and structure

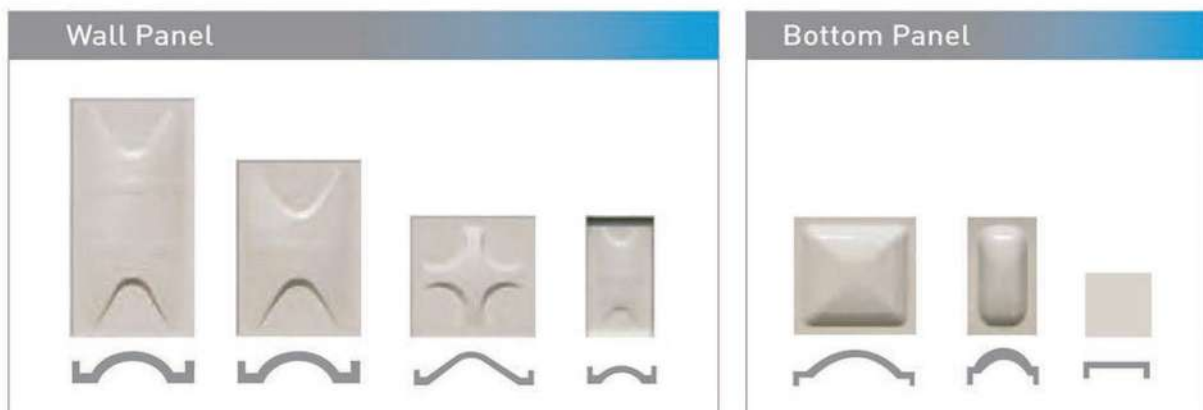


Panel Composition

Wall Panel Composition By Height



Type and Shape



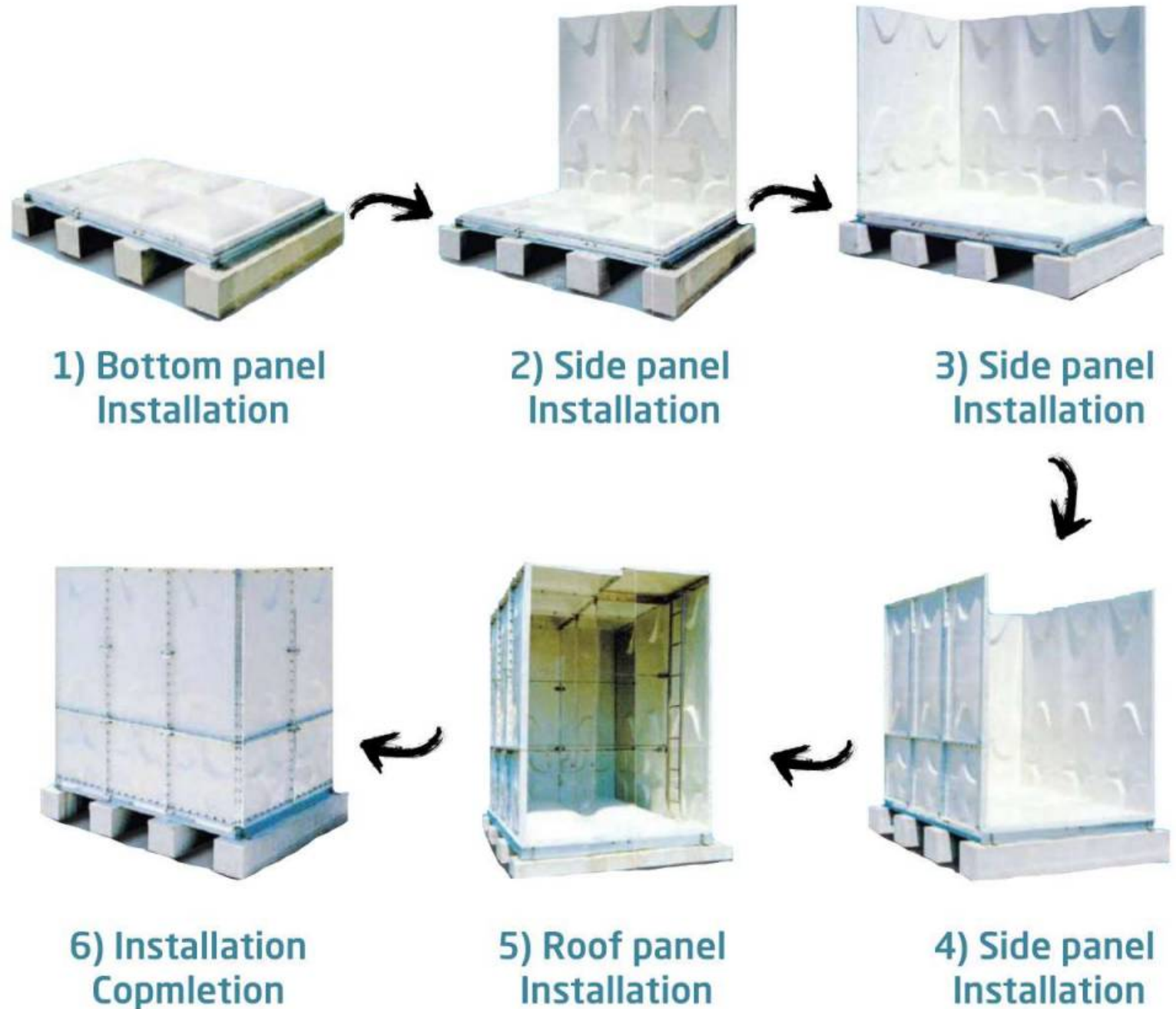


Type and Shape





Brief Tank Installation Process



General Feature of MNT Tank

Ideal for Clean Portable Water

Long Life

Clean & Hygienic

Non Leakage

Easy Assembly

Perfect Strength and Durability

The glass fiber reinforced panels are molded at temperatures up to 150 deg.C using isophthalic unsaturated polyester resins and are pressed under hot press moulding process to realize optimum condition for maintain the best endurance.

Panel Design

MNTGRP water tank panels are designed using computer aided design technology and suitable for ambient temperature of 50 deg.C (dry bulb) and humid condition of up to 31°C saturated. Also MNTGRP water tanks are suitable for water temperature up to 50°C.

Hygiene

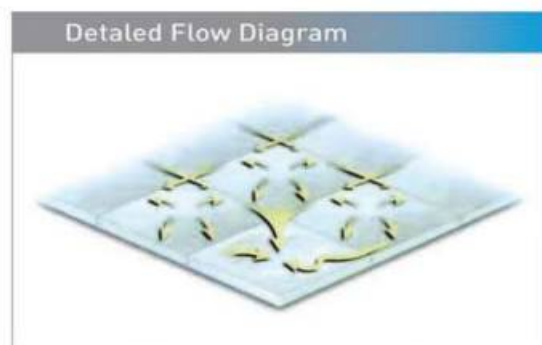
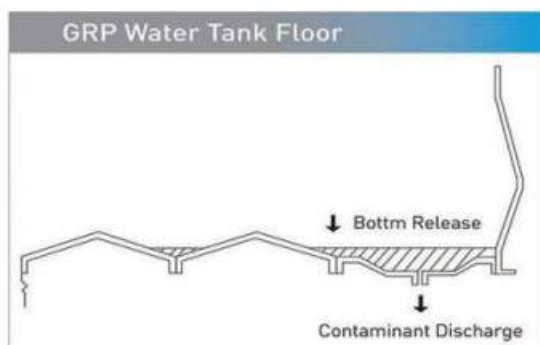
Using non-toxic materials and stainless steel. So it is suitable for used in contact with potable water.

Sizes Adaptable to Any Needs

From small tanks to large, MNTGRP water tank panels can fit any dimensions. Tank dimensions can be select by customers as they want.

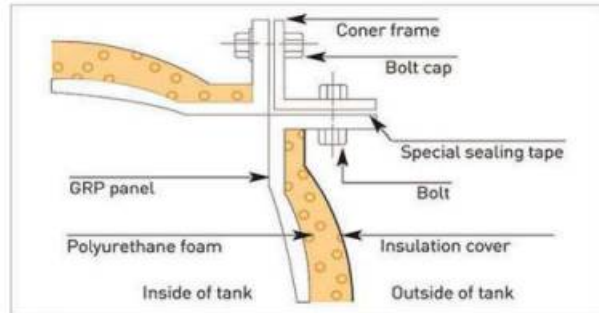
Complete Drainage

The dome shaped bottom panel with a concave drain panel facilitated complete and fast drainage. The concave drain panel has been designed to ensure the periodic cleaning and inspection of the tank.



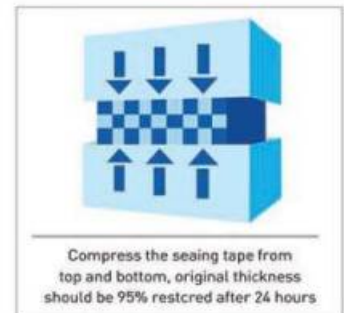
Watertightness

The joints are sealed with special sealing tape specially developed for water tanks.



Special sealing tape is approved by water quality
PSB Certification.

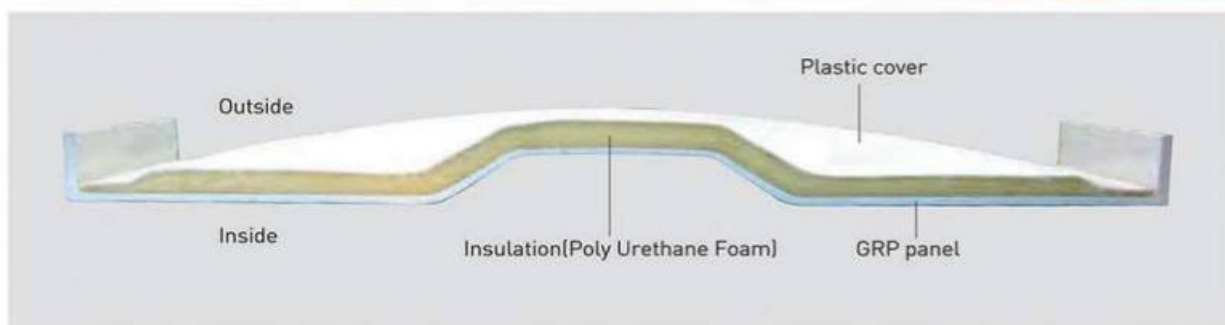
G21489 / SGP
PSB Singapore
Sealing Tape Test Report



Insulation and Dew-Proofing

Insulation panel with its three-layer structure improves the insulation effect.
Maximizes dew-proofing, and minimizes temperature variation of the stored water.

Section of insulated panel





Reference

Reference (overseas)



ARAMCO ZONE



COMMERCIAL CENTER AGH



LEASING CENTER MODON



AL MANA MEDECAL CENTER



ICE FACTORY



AL MAIMANY BRICK FACTORY



ARAMCO-The Dhahran Restanura
Park - Dhahran



GIRLIS COLLEGE DAMMAM



ARAMCO ZONE



Reference

Reference (overseas)



DAMMAM UNIVERSITY



PALACE-AL KHOBAR



COMMERCIAL RESIDENTIAL
BUILDING-MECCA



PRINCE SULTAN UNIVERSITY
RIYADH



AL MANA - AL KHOBAR



HOTEL-AL KHOBAR



Commercial Building-KUWAIT



HOTEL- AL KHOBAR



HOTEL- KUWAIT



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