TANK & ROTOMOULDED PRODUCT BROCHURE

TANKS | Rectangular • Vertical • Horizontal • Fertilizer • Chemical • Septic

OTHER ROTOMOULDED PRODUCTS | Corner Pieces • Cattle Products • Plastic Bowls
Wheelbins • Road Barriers • Plastic Pots • Traffic Cones • Drums • Stopblocks

NO ONE CARRIES WATER LIKE WE DO.
COMPANY PROFILE

FLO-TEK is one of the leading manufacturers of Polyvinyl Chloride (PVC) and High Density Polyethylene (HDPE) piping systems and Rotomoulded products in Southern Africa.

History

Radical Investments (Pty) Ltd, trading as FLO-TEK PIPES & IRRIGATION was established in Botswana in 1998 manufacturing PVC pipes. In July 2003 and June 2004 FLO-TEK commenced manufacturing rotational moulded products and HDPE pipes, respectively.

The Company was established in South Africa in 2005 and an HDPE pipe factory was started in Clayville in August 2007. FLO-TEK South Africa has since opened subsidiary companies in Dundee and Port Elizabeth.

FLO-TEK also has an established company in Angola.

Broad-Based Black Economic Empowerment

FLO-TEK is a BEE compliant company.

The principles of broad-based BEE through stakeholder empowerment, have also been integrated into how we do business and how we assist and support our Clients in the way they do business.

The empowerment of women and the development of skills at lower levels of the organization to facilitate career and personal growth opportunities are particular areas that continue to receive attention and focus within our own business.

To date, FLO-TEK has successfully qualified for numerous governmental, parastatal and NGO projects and tenders on grounds of its present BEE status.

Progress towards a progressive, but realistic strategic economic empowerment target, both directly and indirectly, is being made on a broad front. Leadership of the overall transformation programme lies with management while the stakeholders oversee the application of Transformation and Broad-based BEE strategies within the organization.

Core Business and Service Proposition

FLO-TEK’s core business is the manufacturing and distribution of HDPE, PVC-U and PVC-M Pressure and Sewer pipes and Rotomoulded products, as well as Borehole Casings and Screens.

Our ISO 9001:2008 certified factories in Johannesburg and Botswana enable us to manufacture our pipes and tanks as well as to distribute to South Africa, Botswana and other SADC countries. Our factories have fully equipped laboratories which ensure FLO-TEK manufactures to SANS, ISO and SAPPMA specifications.

Within our South African and Botswana operations we have trained staff who bring a wealth of knowledge and experience.

FLO-TEK ensures the best quality products and the highest delivery standards.
REASONS FOR CHOOSING FLO-TEK WATER STORAGE TANKS

- The tanks are an ideal substitute for MS and RCC tanks.
- Unique properties: the tanks are made of polyethylene and are ideal for the storage of water being corrosion resistant, algae resistant and having high impact strength.
- The tanks are moulded without seams or joints, making them leak proof.
- The computerised ribbed design allows for greater strength.
- The tanks are moulded from FDA approved food grade polyethylene, using the latest rotational moulding technology.
- The tanks have a built-in 'UV stabiliser' to offset the ultra-violet ray effect of the sun.
- Excellent environment stress crack resistance (ESCR).
- Airtight screwable lids keep water fresh and dirt and other unwanted elements out.
- All tanks are 100% hygienic, odourless, maintenance free and versatile.
- The tanks are aesthetically pleasing.
- Lightweight, easy to handle, breather, supporting holds are provided and thus reduce dead load weight on the structure.
- The tanks are extremely easy to install. All the tanks are provided with tank connectors.

- The tank series are self-supporting and should be rested on any flat rigid surface giving full bearing to the bottom of the tank.
- A number of tanks can be connected together and can be easily installed on staging to meet bulk water storage requirement.
- Tanks are readily available, saving construction time and eliminating delays.
- Capacity tested and guaranteed.
- All tanks are movable.
- Versatile and can be used for overhead, ground and indoor storage applications.
- The tanks are made from 100% virgin polymer.
VERTICAL AND HORIZONTAL TANKS

Vertical Water Tanks

- Food grade resin used
- Flexibility with any ground – they will not crack
- Available in capacities from 500L to 15000L
- The tanks are made in two layers – the inside colour is black and the outside is a UV stabilized green
- The standard colour is green, but special colours are available on request.
- Each Tank is supplied with 2” tank connectors, lids, overflow and a breather
- These tanks are also available for chemicals and fertilizer
- No water tainting

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<thead>
<tr>
<th>SIZE IN LITRE</th>
<th>DIAMETER</th>
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<tbody>
<tr>
<td>500 LT</td>
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Horizontal Water Tanks

- The inner layer is black in colour, to prevent algae growth
- They are ideal for transporting water
- The standard colour is green, but special colours are available on request
- Available in capacities from 250L to 5000L
- Each tank is supplied with 2” tank connectors, lids and a breather.
- These tanks are also available for chemicals and fertilizer

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<th>SIZE IN LITRE</th>
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<td>500 LT</td>
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LOFT AND SEPTIC TANKS

Loft Tanks

- The standard colours are green and white, but special colours are available on request.
- Available capacities: 300L and 500L.
- Every loft tank is supplied with a lid.

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<tr>
<td>300 LT</td>
<td>910mm</td>
<td>910mm</td>
<td>400mm</td>
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<tr>
<td>500 LT</td>
<td>1520mm</td>
<td>1020mm</td>
<td>330mm</td>
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Vertical Septic Tanks

- Septic tanks are used where anaerobic/aerobic bacterial activities occur.
- UV stabilized for longer outdoor use.
- Upgradeable, in-house on-site sanitation systems.
- FLO-TEK provide a healthy living environment in areas where conventional sewer reticulation is not immediately available.
- Soak-away trench, solids-free system, an artificially constructed wetland treatment system.
- Oxidation ponds. Nearby trunk sewer.
- Conventional sewerage treatment works.
- The low flush unit can be economically upgraded to a full flush unit.
- Our standard colour is brown and black.
- Available capacities: 1000Lt, 1500Lt, 3000Lt and 6000Lt.
- Very easy to install and maintain.
- Inner pipe separates solids from the brown water.
- Installation infrastructure available on every septic tank.
- Every tank is supplied with 110 mm inlet and 50 mm outlet.

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<td>500 LT</td>
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<td>1500 LT</td>
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<td>3000 LT</td>
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<td>6000 LT</td>
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Horizontal Septic Tanks

- Operating on Single Chamber
- Polyethylene Products
- Uv Stabilizer Material
- Easy to handle and install
- Chemical Resistant
- Available Capatities 1000L, 2000L, 2500L
TANK INSTALLATION INFORMATION

Installation instructions for Vertical and Horizontal water tanks

- Lay a concrete pad/slab.
- The supporting base must be smooth and leveled.
- The reinforced concrete pad must be leveled and greater than the diameter of the tank.

Tank stand

- The tank stand must be large enough to support the entire base of the tank.
- The stand must be strong enough to carry the full load of the tank.
- The supporting base must be smooth and level.
- Supporting decking should have gaps not more than 50mm.
- Vertical tanks mounted on the tank stands must be tied down using the supporting holes moulded in for this purpose.
- The tie-downs should be tight enough to secure the tank when empty, but should not be over tightened to cause distortion of the tanks.
- Horizontal tanks, used for transport or mounted on stands should have adequate retention straps tensioned to restrain the tank, but not distort it.
- The supporting base must not have an undersized base.
- Care must be taken when fitting the connectors.
- Pipe work for the tanks must be supported by a stand and not by the tank.
- If the pipe work is not supported, this may cause water leakage and damage to the tank.
- Unsupported pipe work puts excess strain on the fittings and the wall of the tank.
Correct method for siting a tank above the ground

- Base must be wider than the tank
- Firm level ground (i.e. crusher dust sand or reinforced pad)
- 2-3" (50-75mm) of sand or crusher dust or concrete pad

Concrete Pad

A reinforced concrete pad, that has been leveled and that is a greater diameter than that of the tank must be sited. The tank can be sited on an earth ring greater than diameter of the tank, so that no part of tank is bearing on the wall. The fill is to be consolidated with 2 – 3 inches (50 – 75mm) of sand on the top surface.

Tank Stand

The tank stand should have hardwood decking, with gaps no greater than 2". The decking is to be supported structurally by bearers and strong enough to prevent sagging when the tank is full.

Correct method for siting a tank half way in the ground

- Back fill with bedding sand
- 2-3" of compacted sand or crusher dust
- Solid wall

1. Prepare the hole. Ensure that the surrounding soil left in the walls of the hole is solid, leaving a 6 – 8 inch (15 – 20cm) gap to allow for positioning the tanks, and backfilling them with sand.
2. If there is a major water seepage into the hole from the surrounding soil, the site will not be suitable.
3. A base of 2 – 3 inches (5 – 7cm) of sand or crusher dust must be put in the hole and compacted.
4. The tank must then be lowered into the hole squarely using a crane.
5. The tank must then be filled with water above ground height, then back filled with bedding sand.
6. It is important that the tanks be buried into the ground to ONLY half of its wall height.
7. It is recommended that your outlet pick up from the tank, comes through the tank roof.
8. If there are 2 x 100mm inlets coming into the tank you will need the same capacity in overflows.
9. Overflow must be piped away from the tank.
10. If these points are not followed your 5 year guarantee will be null and void.
Do not make these mistakes

Rocky or uneven ground with little or no base preparation.

Must not have undersized base. Circumference of tank must be supported.

Wooden sleepers are generally too uneven and untrue to use for base.

Don’t use corrugated iron decking as it must be supported by a hardwood decking with spacing of 2” underneath. It is better to remove the iron.
CATTLE PRODUCTS

Cattle Foot Rot Bath
- One piece stress free moulding.
- Large internal radius with no sharp edges or corners. No injuries to livestock.
- Specially designed floor to open cattle foot ensuring penetration of anti-footrot solution
- Frost resistance down to -40°C.
- Standard colours black and green

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<thead>
<tr>
<th>CATTLE PRODUCTS</th>
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<tbody>
<tr>
<td>FOOT ROT BATH</td>
<td>2000mm</td>
<td>850mm</td>
<td>150mm</td>
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Cattle Feed Trough
- Food grade material.
- Non-toxic.
- Large, internal radius, no sharp edges or corners, no injuries
- Suitable for sheep, goats, calves, cattle and horses
- Standard colours are green and black.

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<tbody>
<tr>
<td>FEED TROUGH</td>
<td>2000mm</td>
<td>430mm</td>
<td>230mm</td>
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Cattle Water Trough
- Tough and durable.
- Robust one piece stress free moulding.
- Available capacities: 250L, 450L and 500L.
- Standard colour is green.

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<tbody>
<tr>
<td>WATER TROUGH</td>
<td>2140mm</td>
<td>640mm</td>
<td>530mm</td>
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Household Drums

- Easy handling of salt and food grains.
- Our standard colours are green, blue, white and black.
- Every drum is supplied with the standard lids.

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<th>OPEN HEAD</th>
<th>DIAMETER</th>
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<td>100 LT</td>
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<th>TIGHT HEAD</th>
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<td>560mm</td>
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Dustbins / Wheelbins

- Suitable for a large variety of uses in industries, hospitals, councils, etc.
- Our standard colours are green, black and blue.
- Keeping in mind the present environmental situation, these bins can be recycled.
ROTOMOULDED PRODUCTS

Stop Block
- For use in trucking & transport industries

Plastic Bowl
- For household and agricultural use
- Available in 375ml

Plastic Pots
- For use in household and agricultural use
- Available in 100L

Traffic Cones
Available sizes:
- 450mm
- 700mm
- 1m

Corner Pieces
- For use in transport industries
- Available in 1.2m and 2m
- Available in various colours
Sales Offices

No. 31 Keramiek Street, Clayville, Extension 14, Johannesburg, 1665
Tel.No.: +27 11 316 6891
Fax No.: +27 11 316 6896

45 Gray Street, Dundee, 3000
Tel.No.: +27 34 218 1236
Fax No.: +27 34 218 1237

80 Burman Road, Deal Party Estate, Port Elizabeth, 6001
Tel.No.: +27 41 486 2770
Fax No.: +27 41 486 2766

Plot 174, GCIP, Gaborone West Industrial, Botswana
Tel.No.: +267 297 2001/3/4
Fax No.: +267 397 2014

FLO-TEK Tubos e Irrigoes KM/13, Estrada de Viana, Luanda, Angola
Tel.No.: +244 2222 90662
Fax No.: +244 2222 90880

www.flo-tek.net

The information in this brochure is correct to the best of our knowledge.
It does not constitute any form of guarantee.
Specifications are subject to alteration.
Subject to change without notice.