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1. BACKGROUND

Water is becoming a scarce and vulnerable resource all across the world as well as in South Africa. As more people flock to the cities every year, the demand on running water is getting bigger and bigger. The harsh effects of the drought are also felt. This forces water restrictions on all communities with no end in sight. South Africans will have to adapt to a lifestyle of saving water before it is too late for this precious resource. Rainwater harvesting is a great solution to save water. **One millimetre of rainfall per one square metre of roof equates to almost one litre of water.**

2. DESCRIPTION

**ECOGATOR RAINWATER HARVESTING TANKS**

Experience the brand-new ecogator Rainwater Harvesting Tanks. Designed specifically for aesthetic features and as a space saver. The ecogator Rainwater harvesting tanks catches rain water from roof gutters. This water could then be used for your garden, swimming pool, car wash, etc. The ecogator Rainwater harvesting tanks (650 litres each), is designed as a single unit or to stack next to each other, fixed against a wall. It could be linked to each other at the bottom with a special connector fitting. The ecogator tanks are manufactured for durability and strength.
3. COMPONENT DESCRIPTION (BILL OF MATERIAL)

3.1. TANK
The 650 litre tank collects and stores rain water from your gutters. The ecogator Rainwater Harvesting Tanks are made of Linear Low Density, UV-resistant durable Polyethylene which is non-corrosive and rust free.

3.2. LID & SIEVE
The top of the tank is fitted with a sieve to ensure that leaves and debris from your roof and gutters does not enter the water tank. It is easy to open and clean. Drill a hole in the center of the tank lid to accommodate your 75mm (standard size) gutter downpipe which will supply rain water to your tank. Use a jigsaw or drill to make the hole.

3.3. TAP
Included as a loose part. Just screw on during tank installation with the plumbing tape provided.

3.4. TANK CONNECTORS

A

LOOSE STANDING SINGLE TANK
Outlet fittings - Each tank have the option of an outlet ball valve fitted on the left or right side (one ball valve included). The second outlet will have an end cap to close the outlet not used.

B

LINK TANK
Link fitting - Remove the ball valve from the primary loose standing tank. Screw in the male threaded link fitting inside the female outlet fitting. Place the tanks next to each other and clip the link fitting into the secondery link-tank. Place the ball valve into the outlet of the secondary linked tank.
4. WALL MOUNTING SYSTEM

**PLEASE NOTE** - the ecogator tank must never be used without being securely attached to the slide rail on the wall. The tank is not designed to ever stand loose from the wall and should always be securely fixed or it could topple over when filling with water.

The bracket must be attached vertically to the wall using the 2 x 6 mm screws (included). This will prevent any vertical left-right movement, but will allow for up-down movement. The tank will expand marginally as it fills with water which may lead to the tank slightly moving downwards. The specially designed rail and rollers will allow this movement, but still ensure a secure and safe fitment.
5. INSTALLATION

1. Choose where you would like to put the tank – it should be always against a wall and you have to keep the position of your gutters in mind.

2. Level and compact the ground where the tank will stand.

3. Measure and lay the shuttering frame for the concrete slab – 700 x 700 mm flush against the wall. This will allow for the tank to stand about 40 mm away from the wall. Finer adjustments can be made later when moving the tank into position.

4. Lay the concrete so that the top of the slab is level.

5. Place the tank on the slab with the back of the tank against the wall.

6. Draw a horizontal line against the wall indicating the top edge of the tank.

7. Make a cross on this line indicating the centre of the tank – this will be the top centre position of your wall bracket.

8. Move the tank away from the wall.

9. Place the sliding wall bracket vertical against the wall with the top centre of the bracket on the marked cross – please ensure that the bracket is level (vertical) by using a leveller.

10. Mark the 2 x 6 mm holes and drill with a 10 mm drill bit.

11. Attach the sliding bracket to the wall.
5. INSTALLATION

12 Move the tank into position so that the rollers lines up with the wall bracket - you can make finer adjustments to the gap between the tank and wall by screwing the rollers in or out of the tank.

13 Lift the tank a fraction upwards so that rollers drop into the wall bracket rail.

14 Once you are sure that the rollers are inserted into the rail bracket you can move the tank marginally to the left or right to get the tank into a straight vertical position.

15 Extend a pipe from the gutter to the lid of the tank.

16 Cut a hole in the centre of the lid of the tank to fit your gutter pipe.

17 Turn the plastic tap (included with single unit and not with linked units) into the threaded socket on the front of the tank.

18 **Ensure that you connect the tank overflow, via a pipe, back to the gully to prevent overflow water from damaging the base/foundation of the tank.**
ECOGATOR™

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