



# **DAMLINERS IRRIGATION SYSTEMS LIMITED**

## **About us:**

DamLiners Irrigation Systems Limited is a Water harvesting company dedicated to saving water by use of products and technology to improve irrigation and water harvesting efficiency and performance. Our water harvesting designs and systems provide a versatile option while supporting water conservation. DamLiners Systems Limited, understands the value of water and we'll protect each and every drop of it by designing and/ or installing a water harvesting system that meets the industry standards for water conservation through uniform coverage and excellent craftsmanship. We also provide all the components needed to build comprehensive water harvesting systems, whether for Agricultural use, Fish ponds or Water Conservation.

## **Our Services:**

### **Damliners & Fish ponds**

Dam liner sheets are available at Damliners Irrigation Systems for dams, fish ponds and canals among others.

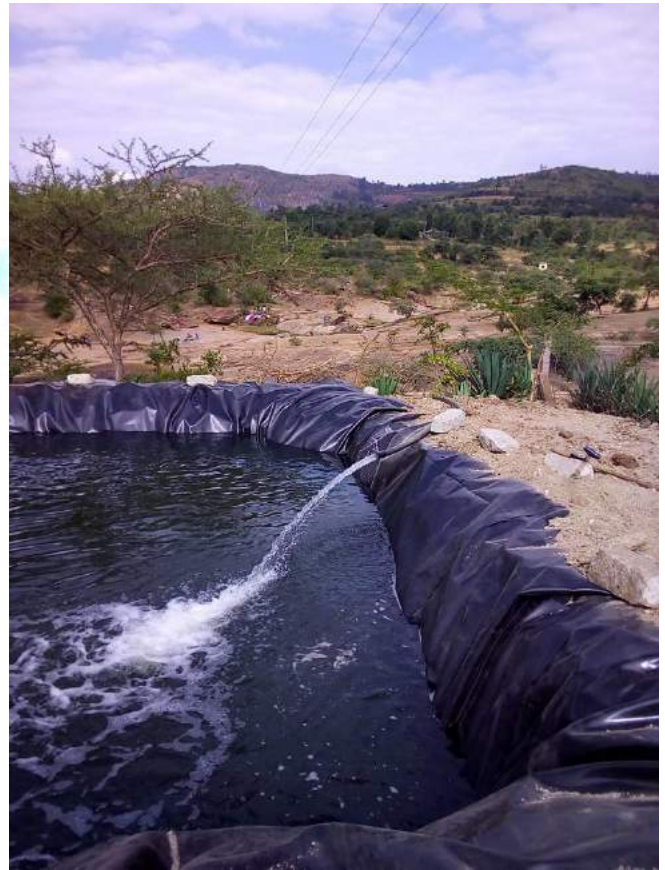
The thicknesses in gauges from 0.3mm, 0.5mm, 0.75mm, 0.8mm to 1.5mm.

Generally speaking the thicker the liner, the longer lasting but also the more expensive. The expanse of the terrain to be covered and the roughness of the ground also play a part in determination of the recommended thickness of the job to be done.

Therefore, financial capability of the client, also plays a role in determination of the thickness.

Dam liners may also be used to lie water channels used to divert water or to carry out rain harvesting.

Some of the completed projects areas below:



*After harvesting water using 0.5mm geomebrane dam liner*



## Water Reservoirs

Some of our completed water reservoirs in Kitui County using a good quality Uv treated geomebrane damliner



## Fish Ponds Completed



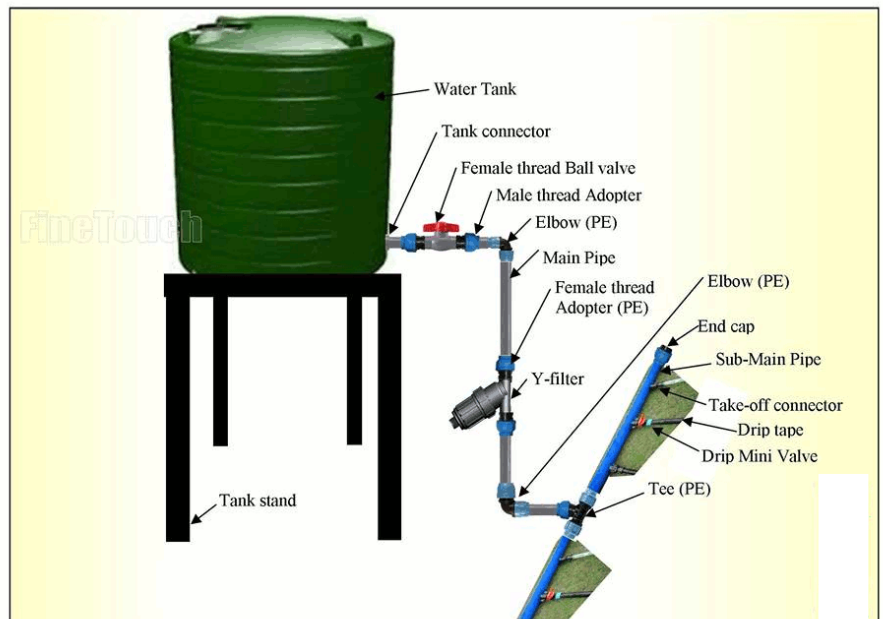
## Drip Irrigation Overview

We provide drip irrigation and overhead/ sprinkler irrigation equipment for horticulture, flori-culture and lawns

Drip irrigation equipment designed for Kenyan market are now available at Damliners Irrigation Systems Ltd. We have Drip irrigation kits to cover different sizes and terrains up to 500m<sup>2</sup>. our irrigation kits come with the following components:

### Typical drip irrigation system

- Main pipe (32mm)
- Drip lines (16mm)
- Water filter (32mm)
- control valves (32mm)
- Connector/rubbers
- End caps and other fitting



The kits are easy to install and a farmer will be offered basic installation training. Technician will be provided will be provided on request.





We also do custom designs for other sizes other than those specified above. This will include large scale projects.

## Green Houses Description



Green houses are structures built to provide a controlled environment for plants as they grow. Control is provide over rain or amount of water going in and out, weather conditions, diseases and pests.

## Structure

Green house structures are usually built of a metal frame supporting a transparent material to allow light in. Traditionally the transparent material was glass, which brings about the alternative name, glass houses, but may be plastic polythene sheets or perspex. Structure framework may also be made of plastic pipes or more usually, wood.

The determining factors for the structure are initial cost and cost of maintenance.



## Metal Structures



Metal structures are robust, i.e. have very little or no maintenance, have an indeterminate lifespan, but have a high initial cost of installation. Wooden structures on the other hand, are cheaper to setup but have a higher maintenance cost.

Metal structures are the defacto and preferred method of propping greenhouses due to the durability. This structure is also preferred as it can support a variety of cover materials.

## Wooden Structures

Small scale farmers can now construct their own greenhouses using the locally available material such as timber to reduce the cost. Certainly most new greenhouses are nowadays wooden considering the need by most greenhouses farmers to reduce the initial cost while increasing the surface area under greenhouses. Fine Touch Construction Limited is supporting such farmer by providing the much needed technical advice and providing the materials at low cost. We make precise estimates of what one needs and supply what you need.

A well built wooden greenhouses can last for more than five years. We recommend the treatment and cementing of the posts to increase durability and firmness.



### Cover Material

These days the cover material is invariably polythene sheets owing to cost . While these sheets typically have a lifespan of three to five years, this is preferred cover method as the effects of the greenhouse on production shall typically produce enough to pay itself off before it begins to disintegrate due to the effects of the sun.

Glass covers are essentially long lasting but very expensive. A perspex cover is a the go between but also is quite expensive.

### Irrigation

This technology sprays water into the air through sprinklers so that it breaks up into small water drops which fall to your crops and voila!

Our sprinklers range from:

- Pop up sprinklers
- Plastic Impact sprinklers
- Metallic Impact sprinklers

#### The Overhead irrigation Kit includes

1.
  1. Main pipe
  2. Sub main pipe
  3. Hydrants
  4. Sprinklers and its fittings





Overhead Irrigation



Gardens (Underground Sprinkler) Irrigation - Pop ups





## Landscaping

We also do the best in landscaping as per specification for the client when and where is the site.



## Concrete Leaking Water Tanks

## Iron Sheet Water Tanks

We do construct iron sheet water tank for different capacities



## Borehole Drilling

We provide borehole drilling services in Kenya to the industrial, commercial and domestic markets by utilizing the latest borehole drilling technologies and machinery.

Water is one of the most essential entities that people could not survive without. Water is a natural resource that has the most purposes on the modes of life. Water can be used for domestic purposes such as drinking, cleaning and bathing, for irrigation in agricultural lands and schemes, for industrial processes and many more purposes. The source of water may also vary from place to place. There are



companies that have specialized in the provision of piped water in the residents and people. However, other use dams, rivers, lakes and boreholes.

For use of a borehole, there should be a procedure which is followed for the safety of the water as well as the people as the boreholes are very deep and if the correct procedure is not followed then it may pose dangers and probably injuries to the people within that particularly area. This therefore needs a borehole drilling company most of who follow the correct procedures in the drilling of boreholes and their water use processes. These companies have been developed in Kenya due to the benefits that the people of Kenya have seen in the use of borehole water and thereby offer the services to the people.

We offer the best and unquestionable, most competitive prices in the market ensuring good service delivery as well as farm survey and follow ups. Harvest water the right way, in the right season with the right people and the right time. With geographical survey and drilling in place.

Why harvest water and why do it with us, we offer high end machinery and for both domestic and industrial purposes. Why wait? make that decision now and you'll not regret it.





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