

Mjengo is a flexible liner with many interesting properties and uses. For example it is underneath the Arsenal Football club's pitch to aid the control the of the moisture on the pitch.

INTRODUCTION

Mjengo is a very versatile multi layered lamination of plastic films and aluminium foil reinforced for strength with a tear resistant scrim sandwiched in the middle. Whilst it is very tough and puncture resistant it is easily cut to any shape with scissors. It can also be hot welded to make a piece as large as you want, for example a football pitch. It is also very flexible and can bent around corners very easily.



Mjengo layed on Aresnal pitch 2007 _____

Mjengo used as a DPM and gas barrier for house _____

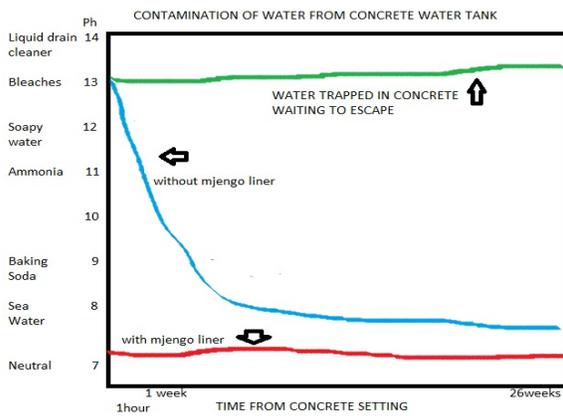
KEY FEATURES

It is a five layer process membrane which exceeds the requirements for DPM(Damp Proof Membrane)
The Aluminium Foil Core gives the product an excellent gas barrier for all potential gases under ground that can cause a problem.

SOME USES OF MJENGO

1. Mjengo can be used as a floor lining in a house. The whole floor can be lined with Mjengo and it can over lap on the first layer of bricks to act as an integral damp proof coarse. The lining will protect the house from any methane that can transfer from a rubbish tip underground and into the house. Any rubbish, plastic or natural can rot and give off Methane Gas. Not only can it smell awful but it is a fire hazard as it burns like petrol. Mjengo will stop this risk. You can make the sheet as big as you want. See below for option of how to do it.

2. Mjengo can be used as a water tank liner. The mjengo laminate is hot welded to make a 5metre x 5 metre square and then cut to size to fit into a premade two metre diameter concrete tank. A 2 metre diameter circle is drawn in the centre of the line as a locating tool for the base of the tank. Fitting the tank takes about 3 minutes to fit with no expertise required. A premade 3metre diameter circle of Mjengo is made and then attached around the outside of the liner to act as a lid.



This stops any insects such as mosquitos getting to the water. Using the Mjengo liner eliminates the need for screeding the sides of the tank which is a skill and costly. There is also a potential for the concrete to contaminate the water and it is Alkali which makes the water unpleasent. Mjengo stops this and keeps the water safe to drink: once it has passed through the purification system. There is a breathable filter on the lid which lets water in but not the mosquitos. It actually kills all insects. This stops the water growing mould and stops puddles on the lid



Putting liner in

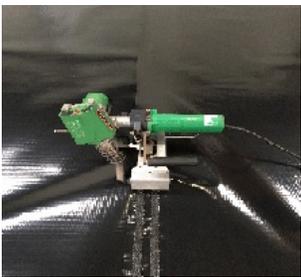
Pushing liner into corners

Finished with lid

Start to finish takes two people less than 15minutes

3. Mjengo can be used to stop weeds and grass growing through driveways and paving slabs. Tell us the shape you want to have and the correct shape can be made by hot welding the 1200mm wide rolls together and then cut to size. Lay the Mjengo on the floor and then lay down the paving slabs in the normal way. No more weeds or grass will grow through.

4. Mjengo can be used to line sepsits. Lining with Mjengo could not be easier. Just design the shape and cut the mjengo to size then lay it into the sepsit. It will stop any odours from escaping either into the ground or into the air and people will no longer smell it



HOW IT IS SUPPLIED

The standard roll of Mjengo is 1200mm wide and 50metres long. It can be supplied to any length and shape required. Also the twinney air gun, shown left below, can be purchased or hired so that any shape can be made on site. The hot air gun is easy to use and can join long lengths in just minutes

WHAT ARE THE OPTIONS?

There are many to choose from. You could buy the end products like the tank liner. You can buy rolls and make you own shapes or liners. Technical Converters are seeking to select suitable distributors for the Mjengo product. Also there is the opportunity to create employment by manufacturing the end product in Africa. If you want to learn more then send your details to david.smith@britishafrican.org