

GEOMEMBRANE

The geomembranes are made of synthetic material in impermeable layer form. The geomembrane prevent the passage of fluid of different chemical characteristics. This it is an important factor that it must take into account to choose the suitable geomembrane.

- HDPE (High Density Polyethylene) and LLDPE (Liner Low Density Polyethylene); resist chemical and danger materials to avoid the soil contamination.
- PVC; It has great flexibility.
- PP (Polypropylene).

The main differences between a geomembrane and another one are: its durability, flexibility and resistance to chemical agents; without despising the relation cost - benefit

Their main applications are in waterproofing of:

- Landfills
- Bathtubs of leached
- Pots of pluvial water
- Bathtubs of hydrocarbon storage
- Artificial Lakes and channels
- Waterproofing of cisterns



There are two types of weld for the geomembrane:

Thermofusion: It is used to unite lengths sections in continuous form.

Extrusion: It is used in small details or of little space.

Different methods exist to verify the correct union between geomembrane layers and thus to guarantee a correct waterproofing.

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