

GEOTEXTILE

Permeable material commonly made of polyester or polypropylene in linen form, it could be woven or non woven.

The main function is to separate the soil to maintain the integrity and good performance between adjacent soils layers with different properties and characteristics, besides to serve like existing fluids filter.

The geotextile is the suitable material to avoid the fine soil migration inside the granular soil, with that, the drain capacity is kipping.

To call for the adequate geotextile, is necessary to take account the following:

- Kind of civil engineering work, where could be separation or filtration.
- Physics and mechanics properties of the ground and the filling material (aggregate size, relative density, internal friction angle, cohesion).
- Kind of fluid or material that be on contact.



México City, Office

Av. Insurgentes Sur No. 1991, Torre A, Desp. 100-A, Col. Guadalupe Inn, C.P. 01020, México, DF
Tel. 52 (55) 5662-6110, Fax. 52 (55) 5662-0086

Monterrey, N.L. Office

Blvd. Díaz Ordaz No. 140, Torre II, Piso 18, Col. Santa María, C.P. 64650, Monterrey, N.L.
Tel 52 (81) 8865-4846, Fax. 52 (81) 8865-4598

www.mlingenieria.com,

ml@mlingenieria.com

Lada sin costo: 01 800 58 11 646

Another example of separation are:

Like protector layer between granular soils and geomembrane where exist angular rocks and could damage by punching.

Like anti vegetable cover to avoid the growth of underbrush.

The most common applications are:

- Pavements
- Earth works
- Landfills

Geotextiles benefits:

- Better performance of soils
- The working life of the civil engineering
- It not require specialized workmanship
- Short installation time
- Minimize the civil engineering cost



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