



GeoTeknik

Filter

GeoTeknik Filter is a non woven geotextile produced needle punching and thermally treated as to be filter material. **GeoTeknik** is producing short cut polyester or polypropylene staple fiber.

GeoTeknik Filter is manufacturing two different technical properties depending on the application (French drain and / or other drainage system) as TYPE A and TYPE B.



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FIELDS OF APPLICATION

GeoTeknik Filter is used as a filter geotextile lay between the coarse and fine materials. **GeoTeknik Filter.**

Geotextile protects the system to avoid obstruction of the pores of drainage pipe, ditch or channel by fine material.

GeoTeknik Filter must be applied on ready surface tightly and properly in order to assure full surface contact without any flexion. GeoTeknik has to be overlap underneath the geotextile corner or edge minimum 25 cm to avoid sliding while backfilling process

GeoTeknik Filter non woven geotextile material recommended as filtering and bedding material for effective control and direction of water is used at the following applications;

- At French drain ditches
- At green roof drainage
- At perforated pipe coatings
- At vertical applications such as tunnels and retaining walls
- At coastal structures

ADVANTAGES

GeoTeknik Filter geotextile material has below production properties;

- Made by pure staple fibers
- Needled homogenously and properly

- Needling number and frequency are adjustable
- Line speed is adjustable
- Fiber length and size (denier / diameter) are adjustable
- Thermal treatment temperature is adjustable
- Thermal treatment roll pressure is adjustable
- Fiber blend and mixing and crimp are adjustable
- Produces up to 6 meter width and 500 meter length

GeoTeknik series manufactured from polyester or polypropylene staple fiber non woven needle punched geotextile to be used as filter, separation and / or protection purposes at the buildings, roads, railways, airports, tunnels, dams, irrigation channels, lagoos, solid waste deposit and storage yards, sport fields, etc.

PACKAGING AND STORAGE

The materials are dispatched in the form of roils with 1 m – 6 m width and 100 m – 200 m length. The materials must be stored on smooth surface and indoor spaces. Absolutely no smoking in the storage yard. The stored products must be kept away from direct sunlight, heat and combustible sources.

TECHNICAL SPECIFICATIONS

Properties	Standart	Unit	Type A	Type B
Water Penetration	TS EN ISO 11058	m/sn	0,090	0,060
		Liter/sqm sec	90	60
Opening Size	TS EN ISO 12956	mm	0,14	0,12
Tensile Strength (MD)	TS EN ISO 10319	kN/m	6	13
Tensile Strength (CMD)			7	15
Elongation at Break (MD)	TS EN ISO 10319	%	50-80	50-80
Elongation at Break (CMD)			50-80	50-80
Dynamic Punching	TS EN ISO 13433	mm	28	20

Roll Packing

