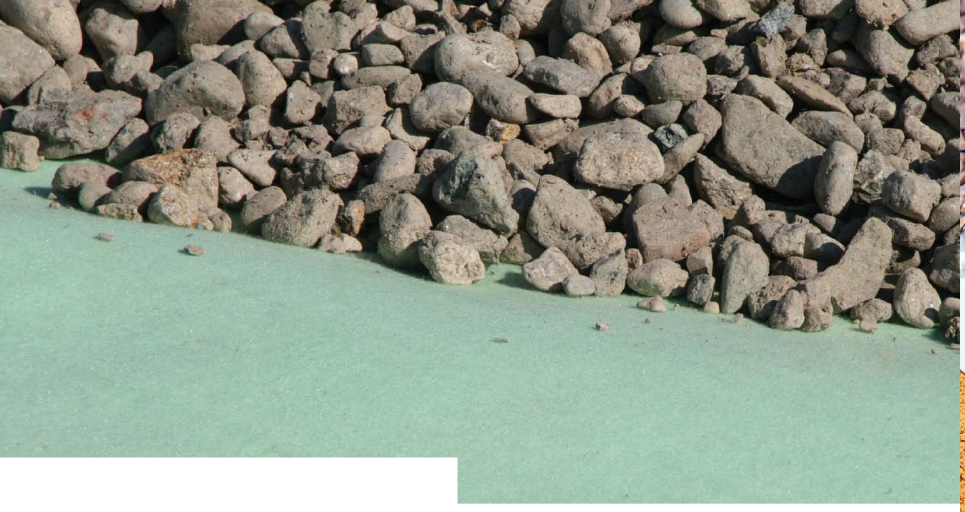
istanbulteknik
"Ready to improve your construction"

GeoTeknik
Separator

GeoTeknik Separator is a non woven geotextile produced needle punched technology and thermally treated as to be separator material. **GeoTeknik** is producing short cut polyester or polypropylene staple fiber. **GeoTeknik Separator** is manufacturing in two different technical properties depending on the tensile strength as TYPE A and TYPE B.



GeoTeknik
Separator

FIELDS OF APPLICATION

- **GeoTeknik Separator** is using as reduce settlement of weak soil, stabilization of earth and formation of non-linear local settlements.
- **GeoTeknik Separator** is used as filtering and bedding material in the coastal structures in order to prevent dislocation and mixing of fine and coarse material due to wave effect.
- **GeoTeknik Separator** 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 goetextile corner of edge minimum 25 cm to avoid sliding while backfilling process.

ADVANTAGES

GeoTeknik Separator 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 metre 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, lagoons, 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
Tensile Strength (MD)	TS EN ISO 10319	kN/m	13	23
Tensile Strength (CMD)			15	25
Elongation at Break (MD)	TS EN ISO 10319	%	50-80	50-80
Elongation at Break (CMD)			50-80	50-80
Water Penetration	TS EN ISO 11058	Liter/sqm sec	60	30
Static Punching	TS EN ISO 12236	N	3000	4800
Dynamic Punching	TS EN ISO 13433	mm	20	4

Roll Packing