



GeoTeknik

Protector

GeoTeknik Protector is a non woven geotextile produced needle punched technology and thermally treated as to be protection material,

GeoTeknik is producing short cut polyester or polypropylene staple fiber.

GeoTeknik Protector is manufacturing in four different technical properties depending on the static punching resistance as TYPE A, TYPE B, TYPE C, and TYPE D.



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FIELDS OF APPLICATION

GeoTeknik Protector has high static and dynamic punching resistant. **GeoTeknik Protector** is good at;

- Protection of waterproofing board on roofs and terraces
- Protection of external thermal insulation board on roofs or terraces
- Protection of liquid waterproofing membrane on roofs or terrace or balconies
- Protection of waterproofing liner as PVC, TPO, LLDPE, or HDPE on water tanks or pools
- Protection of thin screed and topping concrete layer

GeoTeknik Protector has unique material to protection of geomembrane system for solid or liquid waste deposit and storage yards. It improves resistance to damage coming from puncture and excessive friction loads.

GeoTeknik Protector 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.

ADVANTAGES

GeoTeknik Protector geotextile material has below production properties;

- Made by pure stable fibers

- Needed 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, 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	Type C	Type D
Static Punching	TS EN ISO 12236	N	3000	4800	6500	10000
Dynamic Punching	TS EN ISO 13433	mm	20	4	1	1
Tensile Strength (MD)	TS EN ISO 10319	kN/m	13	23	35	50
Tensile Strength (CMD)			15	25	37	55
Elongation at Break (MD)	TS EN ISO 10319	%	50-80	50-80	50-80	50-80
Elongation at Break (CMD)			50-80	50-80	50-80	50-80
Water Penetration	TS EN ISO 11058	m/sec	0,060	0,030	0,015	0,010

Roll Packing

