



Professional solutions  
**you need**



# Jeotech

## PP Non-Woven Geotextile



**Jeotech PP Non-Woven Geotextile** is a non-woven textile product in white color, which is produced by the method of knitting the polypropylene-based fibers and application of thermal treatment.

It is a continuous surface used to separate two different types of floors. It resists the tensile forces spread in the soil mass and acts as a reinforcement element.

Filter properties can be used for pollution purposes. While preventing the passage of solid particles, it remains sufficiently permeable to liquid and gas. It has hydraulic and mechanical level functions. It is a protective and separating layer.



[www.iysteknik.com](http://www.iysteknik.com)

+90 216 395 77 66 Yayla Mah. Özgür Sok. No: 24 B  
+90 216 446 17 28 Tuzla, İSTANBUL-TÜRKİYE





### Fields of Application and Use

#### For Filtration

It is used as an in-between filter material in engineering applications to prevent the penetration of fine materials and to ensure filtration by allowing the passage of water in the following fields.

- French drains
- Perforated pipe coverings
- Behind retaining walls
- Seaside buildings
- Green Roof systems

#### For Filtering

It is used as an in-between filter material to prevent the fine material from blocking pores of other material or avoid formation of washing phenomenon in the cases where coarse and fine materials are used together for engineering applications. Fine materials are spread over the floor under the foundation to prevent the immersion of coarse materials in time. It also prevents coarse materials from losing their engineering characteristics by being contaminated with fine materials.

#### For Protection

Thanks to its high puncture resistance; it protects the underlying materials against impacts by being used on thermal insulating boards for terrace roof applications, and it allows diverse operations with materials and prevents the flow of cement slurry down.

- It is used on the building foundations and tunnels to preserve water insulation applications thanks to its pressure distribution effect.
- It protects the geo-membranes used outdoors against any tear or impairment caused by puncture and excessive friction.

The geotextile taken on the prepared surface in the form of rolls should be spread tensely for full contact with the surface. In order to prevent the slippage of the geotextile during the filling process, it should be applied under the previous geotextile with an overlap of minimum 25 cm.

### Advantages

- Produced by using polypropylene fiber.
- Fibers have high uniformness and tightness thanks to tight knitting and advanced production technology.
- Ensures high tensile and puncture resistance thanks to its raw material and production quality
- With the possibility of production up to 6 m width; it saves on materials and workmanship with minimum overlapping in large areas, and offers quick application benefits.

### Packaging and Storage

- Materials are shipped in rolls of 1 to 6m in width and 30 to 200m length
- Materials must be stored on flat ground and indoors.
- Smoking must not be allowed in the storage area.
- The stored products must be kept away from direct sunlight, heat and ignition sources.

### Technical Specifications

	Unit Weight	Tensile Strength	Elongation at Break
Standart	EN ISO 9864	EN ISO 10319	EN ISO 10319
Unit	gr/m <sup>2</sup> (min)	kN/m	% (min)
1500	150	1.30	50.
2000	200	2.00	50
2500	250	3.00	50
3000	300	4.00	50
3500	350	5.00	50
4000	400	6.00	50
4500	450	6.50	50
5000	500	7.50	50
6000	600	9.00	50
8000	800	12.00	50
9000	900	13.50	50
10000	1000	15.00	50
12000	1200	18.00	50