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# Geotextile



**We produce in Turkey  
Sell to the World**

**geobera**<sup>TM</sup>  
geosynthetic technology



www.geobera.com

## Non-woven Geotextiles

Non-woven Geobera Geotextiles, is a non-woven textile product which is produced in dark color with the method of needle punching and heat treatment of pure polyester based fibers much thinner than millimeters.

## Application and Usage Areas

Geobera Geotextile for Filtering; In engineering applications, where coarse and thin materials are used together, it is used as a filter material for the thin material to clog the pores of the other material or not to cause washing.

Geobera Geotekstile, which is recommended as a filter and bearing material for the effective control and guidance of water, is used in the following areas (There are more than 100 special application areas). But generally Geobera Geotextiles are used considering the following function. Functions:



- Separation & Filtration
- Drainage & Strengthening & Protection
- Insulation (Asphalt reinforcement layers, bitumen saturation)
- Perforated pipe coatings
- Tunnel and retaining wall
- Coastal structures



Geobera Geotextile for Separation; Using under the foundation of structures that are thought to be made on poor surfaces, it prevents the building foundation from oustering to the surface.

It provides soil stabilization and reduces the risk of unexpected different settlements.

It is used as filter and bearing material in coastal structures in order to prevent the displacement of the filling material due to wave movements. It effectively separates coarse and thin filter materials used in filling.

It prevents the mixing of the fine material with the coarse material with the suction power resulting from wave movements.



Geobera Geotextile for Protection; due to high puncture resistance; protects the underlying materials from impacts by using on thermal insulation boards in roof applications. It allows different work of materials and prevents cement slurry from flowing down.

It is used to protect the waterproofing applications on the building foundations due to its pressure spreading properties.

It protects the Geobera Geomembranes applied on open areas against ruptures or damages caused by puncture and excessive friction.

In green roof systems, it is used as the protection of the insulation, and water and moisture retainer.

The Geobera Geotextile, which is rolled up onto the prepared surface, must be stretched to ensure full contact with the surface.

In order to prevent the Geobera Geotextile from slipping during filling, it should be applied at least 25 cm under previously laid Geobera Geotextile.



## Advantages

Manufactured using polyester fiber.

It has a structure in which homogenous distribution of fibers is achieved by frequent needling and superior production technology.

It is more resistant than standard geotextiles due to heat treatment applied during production.

## Packaging and Storage

The materials are shipped in the sizes specified below.

Materials should be stored on a flat surface and in an indoor area.

No smoking in the storage area.

Stored products should be kept away from direct sunlight, heat and sources of ignition.

The customer is hereby considered to read these important issues and accepted in advance.





CODE	GEOBERE GEOTEXTILE
GBSKRCP100	RCP 100 GR GRIZZLED
GBSKRCP200	RCP 200 GR GRIZZLED
GBSKRCP300	RCP 300 GR GRIZZLED
GBSKRCP400	RCP 400 GR GRIZZLED
GBSKRCP500	RCP 500 GR GRIZZLED
GBSKRCP600	RCP 600 GR GRIZZLED
GBSKRGP100	RGP GREY 100 GR
GBSKRGP150	RGP GREY 150 GR
GBSKRGP200	RGP GREY 200 GR
GBSKRGP250	RGP GREY 250 GR
GBSKRGP300	RGP GREY 300 GR
GBSKRGP400	RGP GREY 400 GR
GBSKRGP500	RGP GREY 500 GR
GBSKRWP100	RWP WHITE & BLACK & GRAY 100 GR GREY
GBSKRWP150	RWP WHITE & BLACK & GRAY 150 GR GREY
GBSKRWP200	RWP WHITE & BLACK & GRAY 200 GR
GBSKRWP250	RWP WHITE & BLACK & GRAY 250 GR
GBSKRWP300	RWP WHITE & BLACK & GRAY 300 GR
GBSKRWP400	RWP WHITE & BLACK & GRAY 400 GR
GBSKRWP500	RWP WHITE & BLACK & GRAY 500 GR
GBSKRWP600	RWP WHITE & BLACK & GRAY 600 GR
GBSKVP100	VP WHITE & BLACK & GRAY& GRIZZLED 100 GR
GBSKVP150	VP WHITE & BLACK & GRAY& GRIZZLED 150 GR
GBSKVP200	VP WHITE & BLACK & GRAY& GRIZZLED 200 GR
GBSKVP250	VP WHITE & BLACK & GRAY& GRIZZLED 250 GR
GBSKVP300	VP WHITE & BLACK & GRAY& GRIZZLED 300 GR
GBSKVP400	VP WHITE & BLACK & GRAY& GRIZZLED 400 GR
GBSKV500	VP WHITE & BLACK & GRAY& GRIZZLED 500 GR
GBSKV1000	VP WHITE 1.000 GR
GBSKVPP100	VPP WHITE & BLACK & GRAY& GRIZZLED 100 GR
GBSKVPP150	VPP WHITE & BLACK & GRAY& GRIZZLED 150 GR
GBSKVPP200	VPP WHITE & BLACK & GRAY& GRIZZLED 200 GR
GBSKVPP250	VPP WHITE & BLACK & GRAY& GRIZZLED 250 GR
GBSKVPP300	VPP WHITE & BLACK & GRAY& GRIZZLED 300 GR
GBSKVPP400	VPP WHITE & BLACK & GRAY& GRIZZLED 400 GR
GBSKVPP500	VPP WHITE & BLACK & GRAY& GRIZZLED 500 GR

## RCP SERIES

Weight: 100-1200 gr / m2, with (+ -) 5% tolerance production Raw

Material: Polyester

Roll length: 10 - 500 meters

## RWP SERIES

Weight: 100-1200 gr / m2, with (+ -) 5% tolerance production Raw

Material: Polyester, Polyamide

Roll width: 80 - 420 cm

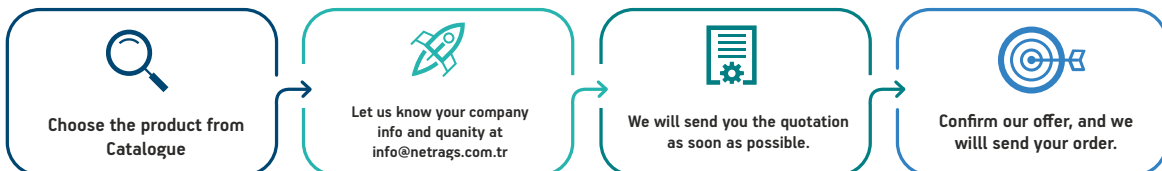
Roll length: 10 to 500 meters

## VP SERIES

Weight: 100 - 1200 gr / m2, with (+ -) 5% tolerance production Raw

Material: Polyester, polyamide, polypropylene

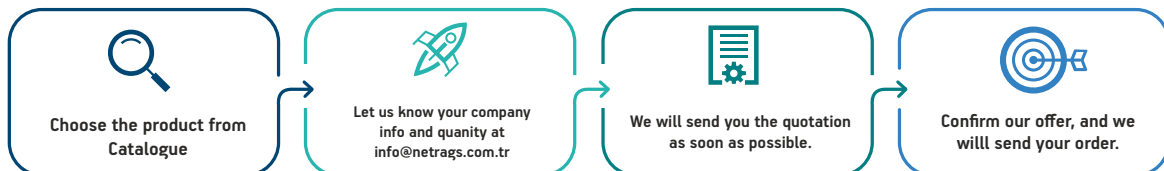
Width of Roll: 80 - 420 cm



## TSEK (TURKISH STANDARDS INSTITUTION, CRITERION CERTIFICATE) (043408-TSEK-02/01)

	RAW MATERIAL	COLOR	WEIGHT	THICKNESS	TENSILE STRENGTH		ELONGATION		STATIC PUNCTURE	WATER FLOW RATE	
			TS EN ISO 9864	TS EN ISO 9863	TS EN ISO 10319		TS EN ISO 10319		TS EN ISO 12236	TS EN ISO 11058	
			gr / m <sup>2</sup>	mm	kN/m		%		N	m / sn	L / m <sup>2</sup> sn
RWP 100	POLYESTER	WHITE	100	1,1	1,5	2	60 - 80	50 - 70	250	0,12	120
RWP 150	POLYESTER	WHITE	150	1,3	2,5	3	60 - 80	50 - 70	400	0,11	110
RWP 200	POLYESTER	WHITE	200	1,5	3	4	60 - 80	50 - 70	500	0,1	100
RWP 250	POLYESTER	WHITE	250	1,8	5	6	60 - 80	50 - 70	600	0,09	90
RWP 300	POLYESTER	WHITE	300	2,2	6	7	60 - 80	50 - 70	700	0,08	80
RWP 350	POLYESTER	WHITE	350	2,6			60 - 80	50 - 70	800	0,07	70
RWP 400	POLYESTER	WHITE	400	3	7	8	60 - 80	50 - 70	900	0,06	60
RWP 450	POLYESTER	WHITE	450	3,4			60 - 80	50 - 70	1000	0,05	50
RWP 500	POLYESTER	WHITE	500	4	8	10	60 - 80	50 - 70	1200	0,04	40
RWP 550	POLYESTER	WHITE	550	4,5			60 - 80	50 - 70	1400	0,03	30
RWP 600	POLYESTER	WHITE	600	5	9	12	60 - 80	50 - 70	1600	0,02	20
RWP 650	POLYESTER	WHITE	650	5,5			60 - 80	50 - 70	1800	0,01	10

MD : MACHINE DIRECTION , CMD : CROSS MACHINE DIRECTION





CODE VPI 300  
RAW MATERIALS PES  
WEIGHT 300 Gr / M<sup>2</sup>



CODE VPI 100  
RAW MATERIALS PES  
WEIGHT 100 Gr / M<sup>2</sup>



CODE VPI 1300  
RAW MATERIALS PES  
WEIGHT 1300 Gr / M<sup>2</sup>



CODE RWPI 500  
RAW MATERIALS PES  
WEIGHT 500 Gr / M<sup>2</sup>



CODE RWPI 400  
RAW MATERIALS PES  
WEIGHT 400 Gr / M<sup>2</sup>



CODE RWPI 300  
RAW MATERIALS PES  
WEIGHT 300 Gr / M<sup>2</sup>



CODE RWPI 250  
RAW MATERIALS PES  
WEIGHT 250 Gr / M<sup>2</sup>



CODE RWPI 200  
RAW MATERIALS PES  
WEIGHT 200 Gr / M<sup>2</sup>



CODE RWPI 150  
RAW MATERIALS PES  
WEIGHT 150 Gr / M<sup>2</sup>



CODE RWP 1100-B  
RAW MATERIALS PES  
WEIGHT 1100 Gr / M<sup>2</sup>



CODE RWP 1000-B  
RAW MATERIALS PES  
WEIGHT 1000 Gr / M<sup>2</sup>



CODE RGPI 800  
RAW MATERIALS PES  
WEIGHT 800 Gr / M<sup>2</sup>





CODE RGPI 500  
RAW MATERIALS PES  
WEIGHT 500 Gr / M<sup>2</sup>



CODE RGPI 300  
RAW MATERIALS PES  
WEIGHT 300 Gr / M<sup>2</sup>



CODE RGPI 200  
RAW MATERIALS PES  
WEIGHT 200 Gr / M<sup>2</sup>



CODE RGP 1050  
RAW MATERIALS PES  
WEIGHT 1050 Gr / M<sup>2</sup>



CODE RCPP 1000  
RAW MATERIALS PES  
WEIGHT 1000 Gr / M<sup>2</sup>



CODE RCPI 500  
RAW MATERIALS PES  
WEIGHT 500 Gr / M<sup>2</sup>



CODE RCPI 200  
RAW MATERIALS PES  
WEIGHT 200 Gr / M<sup>2</sup>



CODE VPI 400  
RAW MATERIALS PES  
WEIGHT 400 Gr / M<sup>2</sup>



CODE RCPI 150  
RAW MATERIALS PES  
WEIGHT 150 Gr / M<sup>2</sup>



CODE RBPI 350  
RAW MATERIALS PES  
WEIGHT 350 Gr / M<sup>2</sup>



CODE RCP 1000  
RAW MATERIALS PES  
WEIGHT 1000 Gr / M<sup>2</sup>



CODE RBPI 200  
RAW MATERIALS PES  
WEIGHT 200 Gr / M<sup>2</sup>





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