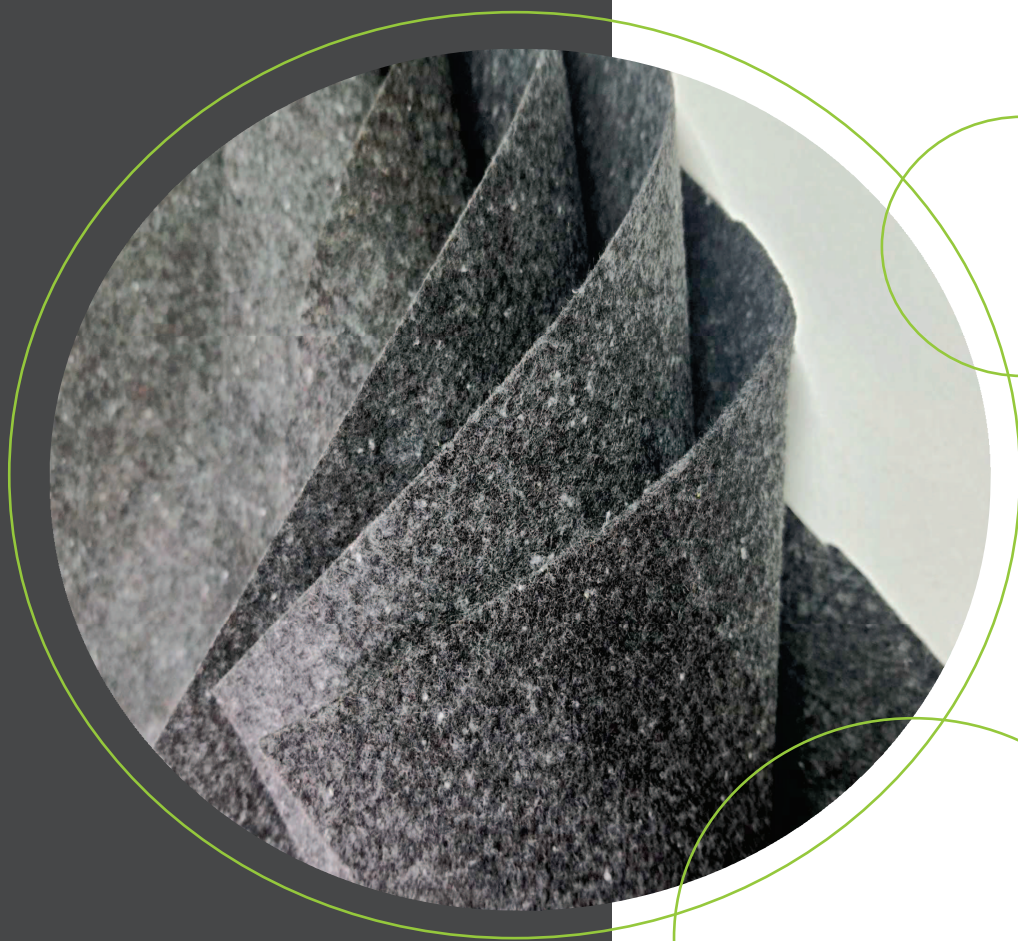


Nonwoven Geotextiles



Bioretex

Made in Romania

GET TO KNOW US

S.C. BIORETEX ROMÂNIA S.R.L. has diversified its activity in the field of nonwoven geotextile manufacturing and articles thereof as of 2017. Since then, the company has been pursuing sustainable development that considers both the needs of technological performance and the need to diversify its portfolio of customers and products. But we do not forget about the importance of environmental factors and the social ones.

IT WAS AN IDEA → WE CASHED IN FUNDS → WE BROUGHT IN EXPERTS →

WE'RE ON OUR WAY!

Our nonwoven products...

Bioretex România offers from its own production nonwoven geotextiles at confirmed quality standards. Our geotextiles are a sustainable solution to technical and financial challenges facing small and large builders on their road to success.

Given the limited number of nonwoven geotextiles manufacturers in Romania, we can say that we are among the few manufacturers that offer, in addition to standard products, the possibility to research and design new materials, tailored to the needs of our customers.

Mission and values

As a manufacturer, we aim to get the best possible price compared to the market price. However, we do not deviate from the quality and performance criteria. We rely on the acquired experience, on the careful study of requirements, and on finding the technical and economic optimal solution. At the same time, we seek to reach the end customer on the shortest route.

But we would not have achieved anything without a persevering team in which we invest. We are united towards a common goal and we do not leave anyone behind.

Integrity and respect guide us!



PRODUCT DESCRIPTION

Bioretex nonwoven geotextile

Nonwoven geotextile is a material made of polyester and polypropylene fibers arranged randomly in fibrous waves, mechanically strengthened by interlacing and heat-treated in the calendar.

The material obtained is defined by the mass per unit area (grammage) and according to it, are guaranteed the physical and mechanical characteristics.

Standard products offered for sale are geotextiles with grammage 110, 150, 200 and 400 g/m². Their physical and mechanical properties can be found in the declarations of performance available and on request.

The expected use of the material depends on its capacity to filtrate(F), reinforce (R), separate (S), drain (D) and protect (P):

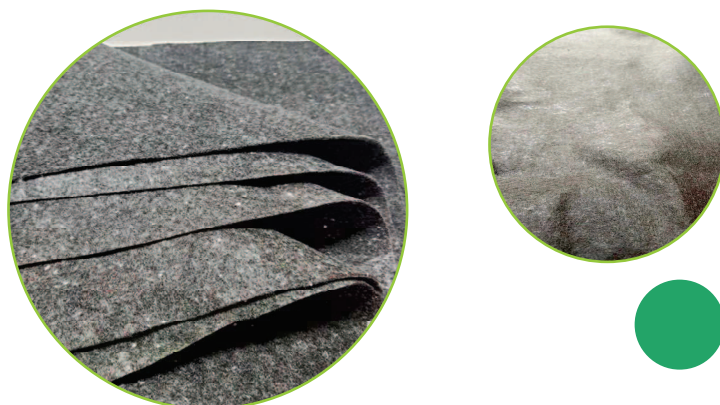
Construction of roads and other trafficked areas (excluding railways and asphalt inclusion) - SR EN 13249:2016	F; R, F+R, F+S, R+S, F+R+S
Earthworks, foundations and retaining structures- SR EN 13251:2016	F; R, F+R, F+S, R+S, F+R+S
Drainage systems-SR EN 13252:2016	F; D; F+S; F+D; F+S+D
Erosion control works (coastal protection, bank revetments) - SR EN 13253:2016	F; R, F+R, F+S, R+S, F+R+S
Construction of reservoirs and dams- SR EN 13254:2001	F; R; P; F+R; F+S, R+P; R+S; F+R+S
Construction of canals - SR EN 13255:2001	F; R; P; F+R; F+S, R+P; R+S; F+R+S
Construction of tunnels and underground structures SR EN 13256:2016	P
In solid waste disposals- SR EN 13257:2001	F; R; P; F+R; F+S, R+P; R+S; F+R+S

Standard sizes offered:

Grammage (g/ m ²)	Thickness	Width	Roll length
110-400	1 ...2,5 mm	max. 2000 mm	25...250 ml

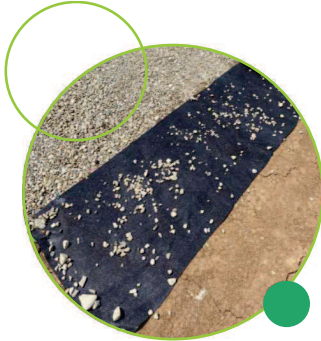
We are in a continuous process of development and certification of new products; we want to offer materials with the most varied characteristics. On request, we can produce unique polymer geotextiles at required grammage and color.

We are open to work with clients to create products that best meet the needs of their projects.



FUNCTIONS OF NONWOVEN GEOTEXTILES

Separation



Excellent separation of layers due to its high permeability and mechanical properties.

Prevents mixing of different layers of soil or various products with the soil, making it possible to reduce the thickness of embankment layers and of load-bearing layers of the foundation structure.

Protection and strengthening



Geotextile penetration resistance provides protection to building elements (membranes, pipes, walls, foundations, retaining walls, etc.) against damages caused by sharp stones or another coarse layer of aggregate. At the same time, being a good insulator, prevents damages that can be caused by frost.

Geotextile strengthens the mechanical properties of support layers and increases the adhesion between them and the next layers.

FUNCTIONS OF NONWOVEN GEOTEXTILES

Filtration and drainage



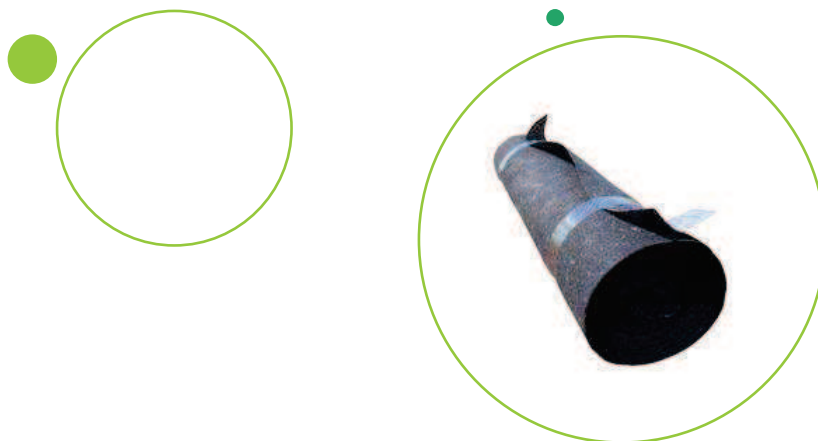
The interlocking fiber network of the geotextile forms a structure with excellent filtration and drainage properties. Its effectiveness depends on the size of the pores and on the mass per unit area.

Used in a drainage system, either horizontally or vertically, the geotextile allows the water to pass through, but retains the gravel and the ballast, preventing them from mixing with finer soil layers. Having the same structure on both sides, the filtration and drainage of the water can be carried out on any plane of the fabric, depending on the chosen technical solution.

Combining drainage properties with high resistance to breaking forces, geotextile is a solution that improves soil stability and controls bank erosion watercourses. Provides at the same time a stable and durable foundation for water elements, retaining walls, ditches, and terracing projects.

Reinforcement

Lands or other materials that cannot take up tension efforts can be improved by adding a layer of geotextile. Thus, are reinforced and stabilized lands, communication routes, roads, railways, support structures.



APPLICATIONS OF BIORETEX GEOTEXTILE

In the use of geotextile, its basic functions are combined. Thus, a wide range of applications are obtained, in several sectors:

Civil, industrial and agricultural engineering:

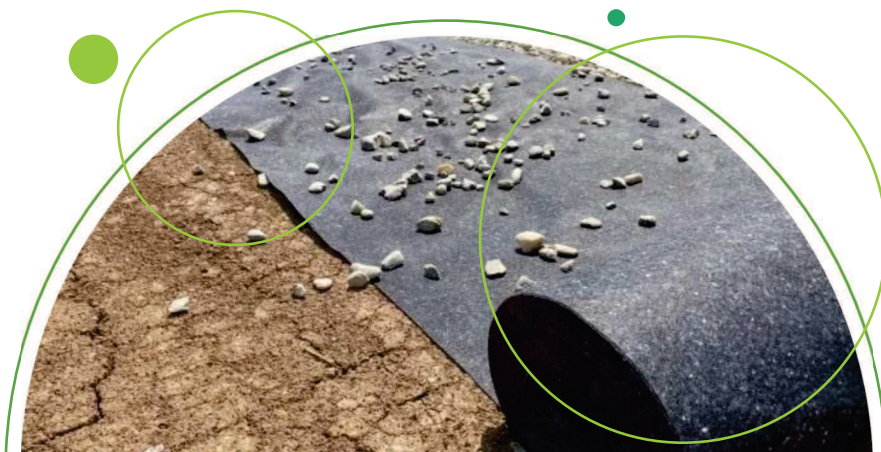
- horizontal and vertical drainage systems (of rainwater, for septic tanks, for swimming pools, pavements, parking areas, artificial sports grounds, foundation structures and retaining walls, for protection of pipelines and geomembranes)
- delimitation, layers separation, filtration and drainage systems for alleys, running tracks, bicycle tracks, playgrounds
- earthworks, landscaping
- solid waste storage projects

Railways, roads, bridges, and tunnels:

- construction and rehabilitation of paved and unpaved roads and other infrastructure works
- protection of foundations and support structures, under gabions and other retaining walls
- foundations for pipelines, pipeline protection, construction of canals and ditches
- protection in the construction of tunnels and underground structures
- earthworks, erosion control system, slope protection, protection dams
- construction of reservoirs and dams

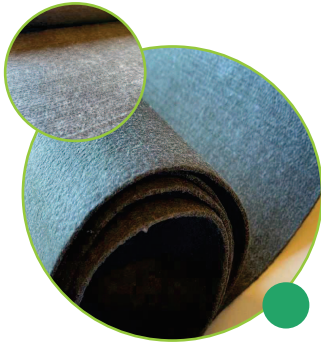
In addition to these works, nonwoven geotextile lends itself to any household, for the realization and demarcation of cobbled or paved alleys, for garden and landscape design works.

Geotextile stabilizes the land, delays the growth of weeds, retains soil moisture in vegetable crops.



OTHER NONWOVEN PRODUCTS AVAILABLE

TEX Carpet



Medium traffic carpet that provides heat and sound insulation
Standard composition: polyester, polypropylene

Standard dimensions:

Width	Thickness	Unit mass per surface (g/ m ²)	Roll lenght
max. 2000 mm	4 ...8 mm	200-400	25...100 ml

Usage: flooring of offices, commercial spaces, living rooms, fitness rooms, event halls, boarding houses and not only

On request, the composition, color, and dimensions can be customized

Dry clean cloths



Set of 3 pieces or as bulk, in standard or customized packaging

Viscose content: 40%

Standard dimensions: 30 cm x 35 cm

Standard color: yellow

Usage: universal use, both wet and dry

For various applications, the material is also available as a roll with maximum width of 2000 mm.

On request, viscose content, grammage and color can be customized.

Backing nonwoven fabric



Fabric used for upholstering the back of countertop, behind furniture fixtures, for protection and finishing of less visible places.

Composition: polyester, polypropylene

The product is available as a roll with a maximum width of 2000 mm and length between 25-100 ml.

Color: black

On request, color can be customized.

WE ARE

- The manufacturer of the geotextiles that you need
- A partner who understands,
- Who is looking for a solution,
- Who becomes a support for your projects;
- And where you can't find an offer on the market, you can find us.

S.C. BIORETEX ROMÂNIA S.R.L.

VAT: RO17106740

REGISTRY NO: J13/1592/2007

DO NOT HESITATE TO CONTACT US

You can see our products at

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