

ENGINEERING, MANUFACTURING, CONSTRUCTION



PRESTORUS

PRODUCER OF INNOVATIVE GEOSYNTHETICS
SAVE ON BUILDING. WITHOUT COMPROMISE.

ABOUT US

PRESTORUS entered the market in 1998 and since then has accumulated a wealth of experience in the application of geosynthetic materials, developed a solid project base and gained stable relationships with clients. Today we are the largest manufacturer of three-dimensional geocells in Russia.

We provide our customers with all the necessary engineering and technical support, including:

- materials production and worksite supply;
- technical solutions with geosynthetics;
- construction with geosynthetics;
- supervision and engineering support;
- consultation and training;
- project and normative-technical documentation.

FACTS

- **18 years** of successful work
- **5 million m²** of annual geocells production
- **21** patents
- **10** trademarks
- **823** geocell items
- **425** customers
- **27** new customers in 2016
- **735** objects supplied with our materials
- **7 million USD** of investments 2016-2017
- **Up to 50% savings** compared to traditional solutions

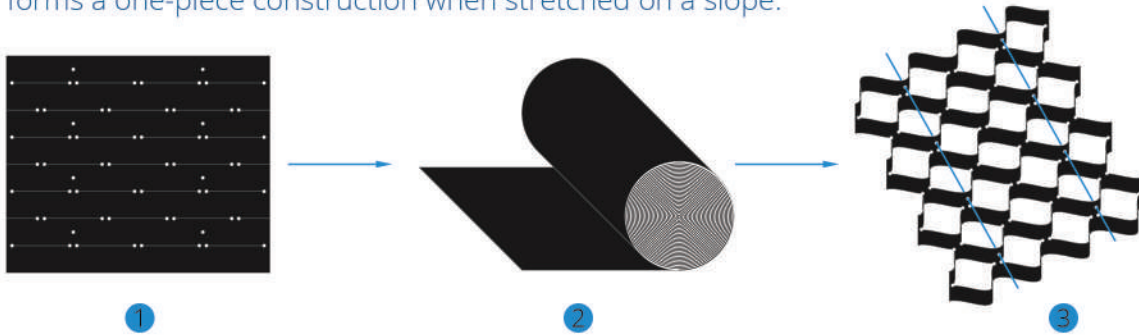
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We have developed new weld-free & rolled geocell GEOSTEP™ replacing traditional three-dimensional geocells in slope construction

What is GEOSTEP™

- 1 made from a solid polymer sheet;
- 2 three-dimensional cellular confinement system, stored and supplied in rolls;
- 3 forms a one-piece construction when stretched on a slope.



Application:

- erosion-prone slope strengthening;
- coast line and water bed strengthening.

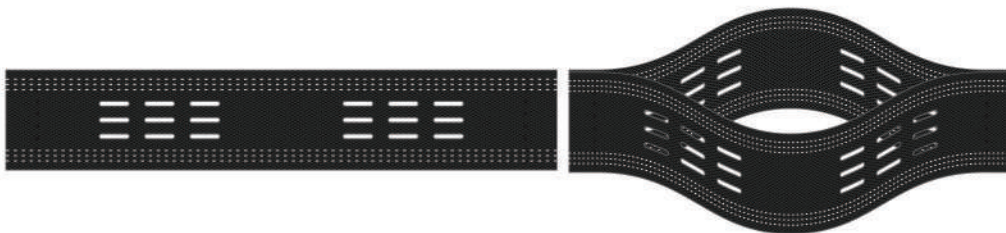
Application:

- 30% less polyethylene per square meter is used compared to traditional geocells – this means less money spent on materials;
- the walls of the cells are positioned perpendicular to the embankment base, so the filler material can't be washed or spilled out of the cells – this prevents premature slope failure and saves the slope content;
- delivered in rolls – this simplifies and speeds up the process of laying by 10-20%;
- length of one roll is more than 100 meters – this allows you to consolidate even very long slopes with one roll, while ensuring the slope integrity and saving money & time.

GEOCORD™ is a new cellular material that increases the load-bearing capacity of road & railway foundations

What is GEOCORD™

- polyethylene tape reinforced with high-strength fibers preventing the geocell plastic deformation;
- unlike traditional three-dimensional geocells, GEOCORD™ does not stretch under full loads and temperatures, maintaining its geometrical shape and dimensions.



Application:

- reinforcement of weak base and structural layers of roads and railways;
- increase of the soil load-bearing capacity.

Advantages:

- facilitates thickness reduction of the structural layers of roads and railways and preserves and enhances the load carrying capacity throughout the life cycle of structures;
- up to 40% savings on construction by reducing the thickness of structural layers and the use of inexpensive filler materials instead of the standard inert materials.