

PRESS RELEASE

Product and environment

World innovation: HUESKER introduces ecoLine

- Recycling material protects natural resources
- First geogrid made from recycled PET bottles
- Same quality and product properties as conventional PET
- Asphalt reinforcement grid HaTelit C eco is presented as first product of the ecoLine

Gescher, 23.07.2019 - HUESKER launches the world's first geogrid made from 100% recycled PET. With the introduction of the new ecoLine, the company is focusing on even more environmentally friendly solutions that already conserve natural resources during production and offer the same quality as their conventional counterparts. The market launch starts with the HaTelit C asphalt reinforcement grid, which has been established on the market for more than 40 years and is used for the rehabilitation of asphalt pavements. It is now available in the ecoLine range, is the same high quality and has the same product properties. Other ecoLine products are to follow soon.

The natural resources of the earth are limited. Therefore, it is all the more important to develop solutions that sustainably reduce consumption for example, in the form of waste and close material cycles. This is where the ecoLine concept comes in. As the first manufacturer of geotextiles worldwide, the HUESKER Group, with headquarters in Gescher/Germany, is now producing one of its most popular geogrids, the asphalt reinforcement HaTelit C, from 100 percent recycled polyethylene terephthalate (PET) yarns.

HaTelit C has been used successfully for more than 40 years as reinforcement in the rehabilitation of asphalt pavements. Different from the classic HaTelit reinforcement grids, which consist of conventionally produced PET, the ecoLine replaces one hundred percent of the PET yarns with recycled yarns. "The responsible and careful use of energy and resources is part of our sustainability strategy and is predominant throughout the entire value chain," stressed Dr. F.- Hans Grandin, Managing Director of the HUESKER Group. "In addition, it has always been our aim to replace conventional construction methods with the use of innovative products and applications made of geosynthetics where they are a better alternative due to their many positive properties in terms of quality, safety and reliability and especially sustainability," adds Sven Schröer, also Managing Director of HUESKER.

The recycled material is produced from disposed PET bottles, which can be fed back into the production cycle in the form of granulate. "The recycled PET we use is an equivalent substitute for the original PET yarn. It has the same high quality and the same properties," says Schröer. This was the prerequisite for the product launch of the eco version in order to be able to cover the full range of applications of the classic HaTelit C and at the same time offer a resource-saving alternative. For comparison: every kilogram of recycled PET yarn saves around 4.3 kg of CO₂ emissions if conventional PET yarn is avoided. This corresponds to a car journey of 33 km (passenger car with emissions of 130 g equivalent CO₂/km). Extrapolated to the production of geotextiles the size of a football pitch (7,140 m²), about 1,200 kg of CO₂ are saved, which corresponds to a distance of 42,000 km by car.

HUESKER geotextiles are used worldwide in a wide variety of projects. These include earthworks and foundations engineering, roads and pavements construction, hydraulic engineering, environmental engineering and mining. They often carry enormous loads, are exposed to heavy stress and must perform to high standards in their fields of application,

such as slope protection, sealing for groundwater protection, flood protection or reinforcement in road construction. In order to maintain the high quality and reliability, HUESKER products are subjected to regular quality controls and qualified monitoring of the entire production process by our in-house accredited laboratory as well as external monitoring by official material testing institutes.

"We test our products very carefully. They are only made available to the market when all the necessary evidence has been provided and they meet our high requirements. As is the case with the recycled PET yarns we use," Schröder points out. "HaTelit C eco is the first step. We are aware of our responsibility and will continue our ecoLine with further products in the near future," says Schröder.

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Further information is available at:

<https://www.huesker.co.uk/products/geosynthetics/ecoline.html>

Picture: *HUESKER Ecoline EN*



World's first geogrid made from 100% recycled PET yarn

Über HUESKER:

The HUESKER Group is one of the world's leading manufacturers of geosynthetics and technical textiles with headquarters in Gescher (Westphalia), Germany.

With around 500 employees, the company operates globally with ten subsidiaries as well as trading and distribution partners in over 60 countries. HUESKER has been shaping international markets as a pioneer of textile weaving for over 150 years. The HUESKER Group substitutes conventional massive construction with sustainable and intelligent solutions based on modern, high-performance technical textiles and composites.

With its products and services, HUESKER provides solutions in the fields of earthworks and foundations, roads and pavements, environmental engineering, hydraulic engineering and mining as well as various applications for industry and agriculture.

In the field of geosynthetics, the company has developed the HaTelit geogrid among others.

First-class engineering services, high competence in manufacturing, coating as well as tailoring of technical textiles, and an innovative spirit are the key to HUESKER's success. If a project is challenging, HUESKER will find a solution.

Contact for journalists

Britta Gausling (Dipl.-Kom.-Wirtin/Com.-
Manager)
HUESKER Synthetic GmbH
Fabrikstr. 13-15
48712 Gescher
Tel.: +49 25 42 / 701-314
Fax: +49 25 42 / 701-481
gausling@huesker.de
www.HUESKER.com