



bio
LINE



Natural. Biodegradable. Visionary.

bioLine Geotextiles – based on renewable raw materials



HUESKER

Ideas. Engineers. Innovations.

Products based on natural materials

Environmentally conscious product solutions for temporary applications

Safe for the environment while maintaining the highest quality

With bioLine, HUESKER is consistently focusing on sustainable construction with geotextiles. bioLine stands for bio-based and biodegradable technical textiles for temporary applications. Based on natural raw materials, the products are completely biodegradable. The use of bioLine products pays off twice over: After temporary use, there is no need for labor-intensive dismantling and nature takes care of recycling. This makes its use particularly efficient and economical.

With the product SoilTain® DW bio, HUESKER is one of the first manufacturers and pioneers of dewatering products that are fully biodegradable.

Through engineering, HUESKER succeeds in finding and implementing the best compromise between bio-based product solutions and technical requirements. The highest demands are placed on technical textiles that are intended to replace conventional construction methods with sustainable solutions. HUESKER fully meets these requirements.

bioLine product portfolio



Based on natural
raw materials



Biodegradable
products



Powerful for temporary
applications

Developed for optimal use of resources

In addition to bioLine, we were the first geotextile manufacturer of products made from recycled raw materials since 2020 with ecoLine. With the development of bioLine, we are consistently pursuing the path of sustainability.

HUESKER supports its customers in becoming more sustainable - with environmentally compatible product solutions and individual engineering services for a wide range of applications. We look forward to working with you to make future projects even more resource-efficient and therefore more environmentally friendly.



SoilTain® DW bio
Dewatering



Incomat® bio
Sealing, erosion protection

Basetrac® Grid bio
Base reinforcement

Basetrac® Woven bio
Separation, filtration and stabilisation



Fast and efficient sludge dewatering

Large volume tubes for state of the art sediment treatment

SoilTain bio dewatering tubes offer you an efficient and fast solution for dewatering of sludge. The large-volume tubes ensure a high process capacity with excellent dewatering performance in a limited space, which enables rapid sediment processing. Thanks to the special high-performance filter fabric, the tubes can be stacked, which further increases storage capacity.

They reduce costs by reducing the amount of machinery required for dewatering and sludge removal. Even with prolonged use, there is no rewetting effect, for example due to rain, so that you achieve a higher dry residue than with conventional field drainage.

SoilTain bio not only ensures reliable containment of the sludge, but also minimal odor development. SoilTain bio is the modern solution for sludge dewatering.



Tube and sediment can be disposed of together



Processing without intermediate storage



Low use of resources

Perfect combination of bio-based geotextile and concrete

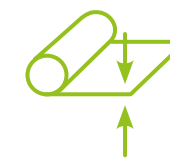
Concrete mattress system for hydraulic engineering

Incomat bio offers comprehensive protection for hydraulic engineering and fulfills functions such as sealing, erosion protection, buoyancy control and protection against mechanical damage in water bodies. The different versions cover different requirements. Incomat bio is characterized by its uniquely uniform mat thickness, which is achieved by vertically integrated ties in the mat, thus ensuring an excellent seal.

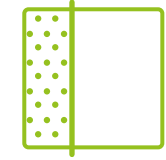
As Incomat bio can be installed directly under water, it is often not necessary to dewater or lower the water level. Incomat bio is individually tailored to your project, and our engineers support you in selecting the right installation thickness and mat stability by adjusting the tensile strength of the ties. This will help you find the most economical solution for your project. Another advantage over conventional construction methods is the elimination of typical formwork. With over 60 years of experience at HUESKER in the use of Incomat, our aim is now to offer an even more sustainable product variant.



No formwork work required



Uniform mat thickness for better sealing



Low hydraulic roughness compared to other concrete mats



Daring to break new ground

Separation, filtration, stabilisation and reinforcement

Basetrac bio products are primarily used for base course reinforcement in road construction. Thanks to its high adaptability and tensile strength, Basetrac Grid bio provides base course reinforcement for all soil conditions. Thanks to its close-meshed structure, Basetrac Woven bio performs the functions of separation, filtration and reinforcement. Basetrac Woven bio is often used as an alternative to nonwovens and guarantees reliable application.

The excellent bonding flexibility of Basetrac bio Grid and Woven fabric ensures high functionality and quality of the base layer. No gloves are required when laying our woven Basetrac products as they have no sharp edges - another plus point for the safety of the team during installation. With Basetrac bio products, economy, quality and practicality go hand in hand - they complement each other perfectly.



Increases the load-bearing capacity in all soil conditions



Easy to install without memory effect



Cost savings due to fewer base course material

Working together for more sustainability

Our solutions for global challenges

We are privileged to work together with our customers to ensure greater sustainability. Whether in environmental technology, hydraulic engineering, earthworks and foundation engineering or in the agricultural sector – our textile solutions prove that they not only improve the subsoil or the climate in stables, but also significantly reduce environmental pollution. We enable considerable CO₂ savings compared to conventional construction methods. One of the biggest challenges we face today is protecting our environment.

New paths must be taken and, fortunately, technical textiles help with the tasks of environmental protection in many ways!



Benefit from products that offer ecological advantages, reduce costs and increase efficiency.

Discover our product solutions that help you achieve your sustainability goals!

Your partner for highest standards

With state-of-the-art production methods, HUESKER guarantees the highest quality at every stage of production. Our actions are geared towards sustainability in all value streams and therefore towards the careful use of energy and resources. The ISO 50001 and ISO 14001 certifications are proof of our sustainable energy and environmental management. Following the external audit, in which our management system is put through its paces, TÜV-Nord confirms our outstanding success: "HUESKER is currently clearly among the top 5 % of all audited companies."



Product page:
Basetrac Grid



Product page:
Basetrac Woven



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HUESKER Synthetic is certified to ISO 9001, ISO 14001 and ISO 50001.



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