Press release

HUESKER Synthetic GmbH

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Less material, more performance –
HUESKER rebrands drainage systems under the Hydrain® brand

With Hydrain®, HUESKER Synthetic will, in future, bring together its geosynthetic drainage systems for infrastructure, environmental and hydraulic engineering under a single brand. The product range offers a high-performance alternative to conventional gravel and crushed stone drainage systems and enables targeted water drainage whilst using significantly less material.

Efficient drainage systems play a key role in ensuring the safety and longevity of roads, embankments, landfill sites and other earth-retaining structures. Conventional mineral drainage layers require large quantities of gravel or crushed stone, as well as consistently high transport and installation costs. Hydrain replaces bulky mineral drainage layers with high-performance geosynthetic systems that combine high drainage capacity with ease of installation and resource efficiency.

Hydrain products are geocomposites with a three-dimensional monofilament core. This is thermally bonded to geotextile filters or, optionally, to special membranes for targeted water control. The systems thus combine up to four functions in a single solution: drainage, filtration, separation and protection. At the same time, the drainage mats achieve flow capacities of up to 7 l/(m·s) and withstand pressure loads of up to 500 kPa. Plus, the material is 100 per cent recyclable.

> **“Hydrain stands for modern water management with maximum efficiency. Compared to traditional gravel drainage systems, our systems require significantly less material, can be installed more quickly and, at the same time, offer consistently high performance. This delivers both economic and sustainable benefits.”**
> Sven Schröer, CSO HUESKER Synthetic GmbH

HUESKER
Ideen. Ingenieure. Innovationen.

Hydrain – benefits at a glance

Efficiency

- Reduced material, transport and installation costs
- High drainage performance with a thin system profile
- Improved carbon footprint

Performance

- Flow capacities of up to 7 l/(m·s)
- Pressure resistance up to 500 kPa

Functionality

- Drainage, filtration, separation and protection in a single system
- Flexibly adaptable to different project requirements

Two product variants for different requirements

The Hydrain range comprises modular solutions for a variety of hydraulic and mechanical requirements. Depending on the application, variants are available for high loads and/or maximum drainage capacity.

Hydrain Channel – maximum performance under load

Hydrain Channel has been developed for applications where consistently reliable water drainage is required under high mechanical loads. The compact core structure and the statically effective arrangement of the monofilaments create a large usable flow space and ensure stable water conveyance even under heavy loads. Hydrain Channel is particularly suitable for landfill, transport infrastructure and tunnel construction, as well as for structures and structural connections with increased mechanical requirements.

Hydrain Bubble – flexible control of high discharge rates

Hydrain Bubble was developed for applications with high hydraulic requirements. Its special structure creates large internal cavities and enables multidirectional water drainage. This allows even large volumes of water to be collected and drained in a controlled manner. Typical areas of application include landscaping structures, retention areas, embankments and other water management applications with limited installation height.

Hydrain Channel	Hydrain Bubble
• Compact and dimensionally stable core structure • Exceptional load-bearing capacity • Low system thickness	• Large hydraulic cross-sections • Multidirectional water drainage • High drainage capacities

“With Hydrain, we are expanding our portfolio to include high-performance drainage solutions for a wide range of applications. This will enable us to support our customers even more comprehensively in the future when planning and implementing challenging infrastructure projects.”
Sven Schröer, CSO HUESKER Synthetic GmbH

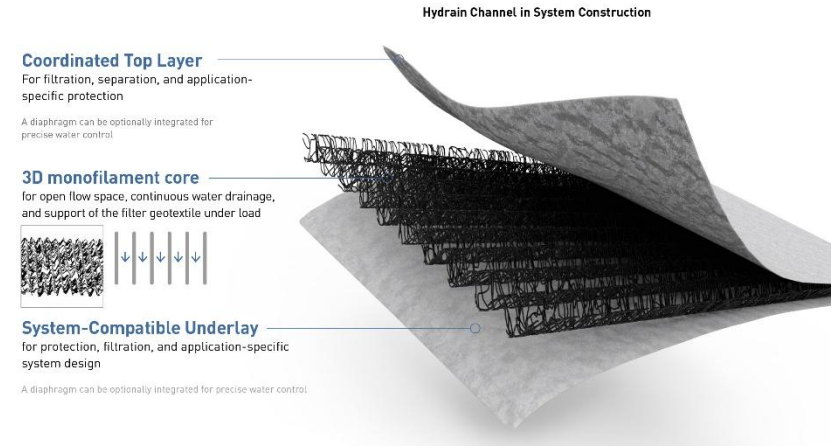
New brand, proven technology

With Hydrain, HUESKER is expanding its existing portfolio to include high-performance solutions for water management and drainage. The market launch is also part of the integration of geosynthetics specialist Sineco International into the HUESKER Group. Following the acquisition of the Italian family-run business in April 2025, the drainage systems previously known as Sindrain will in future be marketed worldwide under the Hydrain brand. Development and production will remain in Italy. HUESKER will manage international sales and contribute its global sales structure and engineering expertise to the further development of the product family.

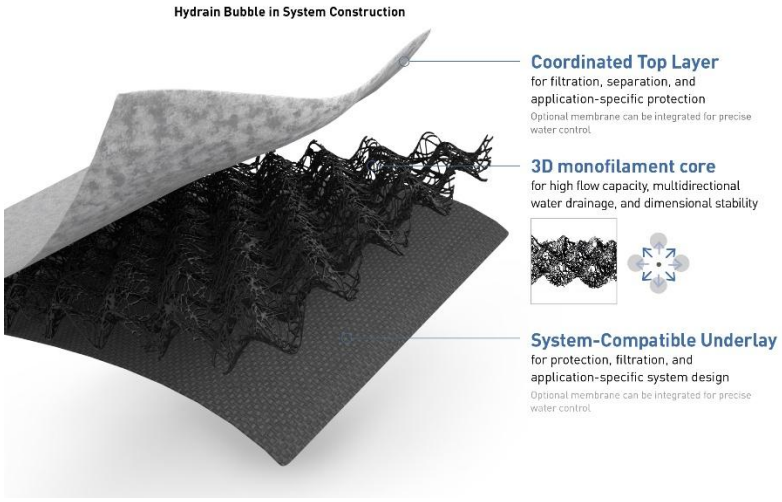
Further information on Hydrain and the HUESKER product portfolio can be found at www.huesker.de or by contacting your personal representative.

Call us on: +49 (0) 2542 / 701 – 0
Or send an email to: info@HUESKER.de

Images:



Picture 1: Hydrain Channel – less material, more impact // Credit: HUESKER Synthetic GmbH



Picture 2: Hydrain Bubble for multidirectional water drainage // Credit: HUESKER Synthetic GmbH

HUESKER Synthetic GmbH – Expertise since 1861

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

With around 500 employees, the company operates globally through 13 subsidiaries and trading and distribution partners in over 60 countries. As a pioneer in the textile weaving industry, HUESKER has been shaping international markets for more than 160 years. The HUESKER Group replaces conventional solid construction methods with sustainable and intelligent solutions drawn from the field of modern, high-performance technical textiles and composites.

With its products and services, the company offers solutions for earthworks and foundation engineering, road and transport infrastructure, environmental engineering, hydraulic engineering, mining, as well as applications in industry and agriculture. First-class engineering services, outstanding expertise in the production of fabrics, coating and the manufacture of technical textiles, and a strong commitment to innovation are the keys to HUESKER's success. If a project is challenging, HUESKER will find a solution.

Further information is available at www.huesker.de.

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