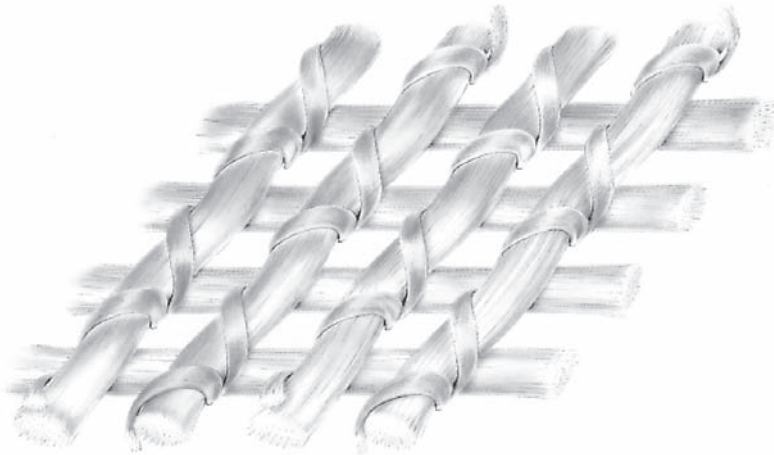


Comtrac® - to meet those special demanding applications

Comtrac® is a high modulus reinforcement geotextile, which can be combined with a nonwoven material.



Comtrac®

Comtrac® is produced with cross-laid threads bound together during manufacture.

The advantage of this production process is that the reinforcement yarns lie completely straight in one direction, enabling **Comtrac®** to take up the load at a very low extension.

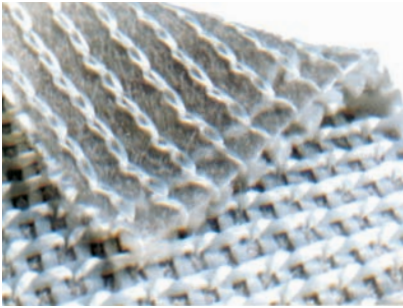
The raw materials used for **Comtrac®** include polyester, aramid and polyvinylalcohol, which on account of their low creep properties are ideal for soil reinforcement. If required, **Comtrac®** can also be manufactured from polyethylene or polypropylene.

Comtrac® offers the following advantages in its composite form:

- immediate mobilisation of its strength at low extension due to the orientation of the reinforcement
- excellent separation and filtration properties as a result of the integrated nonwoven
- low creep and high modulus
- uniaxial strengths from 20 kN/m to 2,000 kN/m and biaxial up to 450 kN/m
- high resistance to mechanical damage during installation



Comtrac® - applications in soil and foundation engineering



Comtrac® is best used where soil structures are to be constructed over poor load bearing soils. The use of Comtrac® in such applications reduces cost by often eliminating

the need for expensive soil replacement.

Comtrac®'s immediate tension absorption means an enormous increase in the reinforcement capacity of the soil structure. By including a nonwoven material the reinforcement layer is effectively separated from the soft ground and pressureless water drainage is guaranteed through the highly permeable geocomposite.



Examples of Comtrac® applications:

Traffic areas on soft ground

- construction-site roads
- embankments
- parking areas

Reinforced foundations

- dikes and levees
- pipe supports

Soil capping

- sludge lagoons
- landfill sites

Comtrac® offers the following installation advantages:

- + can be installed under water without difficulty. Polyester's high specific gravity prevents the product from floating;
- + can be easily sewn with commercially available equipment;
- + laying plan on request;
- + can be cut to contractor's specifications.

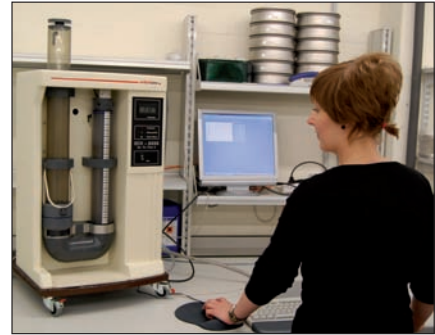
Comtrac® – guaranteed quality

Comtrac® is a product of HUESKER Synthetic. On request the product characteristics, in particular the tensile strength in the roll and cross roll directions can be tailored to meet specific applications. We are able to give expert advice to customers on the selection of the most suitable Comtrac® quality. Our high product quality is guaranteed by our own monitoring as well as by outside inspection in compliance with DIN 18200.

All technical product data presented in data sheets are based on ISO or/and EN standards.

Comtrac® is a registered trademark of HUESKER Synthetic GmbH





HUESKER Synthetic GmbH is certified by:



HUESKER offers a wide range of technically demanding solutions relying on our many years' experience. Our solutions are economical, reliable and up-to-date and used in:

Earthworks and foundation engineering, landfill construction, hydraulic engineering, road construction

Technical assistance, planning, support - worldwide

Reliable and advanced techniques characterise our products in many applications:

Fortrac® - a flexible, high modulus and low-creep geogrid for soil reinforcement

HaTelit® - a flexible, high-modulus and temperature resistant grid for asphalt reinforcement

Stabilenka® - a high-modulus polyester woven for reinforcement and separation of soils

Robutec® - a very high-modulus and alkali-resistant woven for reinforcement and separation of soils

Fornit® - a biaxial geogrid for subbase reinforcement

Comtrac® - a geocomposite for reinforcement, separation and filtration of soils

Duogrid® - a geocomposite made of biaxial high-modulus flexible geogrid and a nonwoven

NaBento® - geosynthetic clay liner for sealing

Incomat® - a concrete- or sand-mat for sealing and erosion control

Ringtrac® - geotextile tube for reinforcement and soil containment

HaTe® - wovens and nonwovens for separation, filtration, drainage and protection

SoilTain® - systems for hydraulic engineering and dewatering

Geosynthetics made by HUESKER - reliability by experience!

HUESKER

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