



AFITEX • **Texel**

High performing geocomposites
The drainage you want



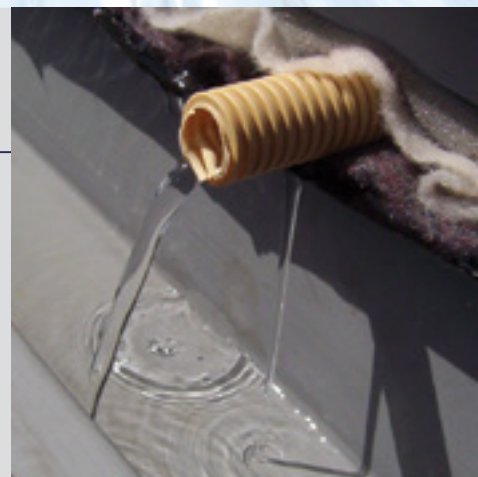
Name it.
We'll do it.

AN INTERNATIONAL DIMENSION

With hundreds of successful projects around the world, AFITEX-TEXEL has international experience to offer designers.

DRAINTUBE A well known brand

DRAINTUBE uses tried and tested European technology, but is manufactured in Canada to meet North American standards. It combines the performance of geotextiles (separating and filtering) with that of perforated drains (drainage). **DRAINTUBE** is built in such a way that its size can be adjusted to meet project characteristics (hydraulics) and the features of the soil (separating/filtering). Lymphéa® software helps designers find the best possible solutions for all project difficulties.



MARKET SEGMENTS



ENVIRONMENTAL ENGINEERING An efficient response to safety concerns

DRAINTUBE technology provides efficient ways of draining landfill facilities. AFITEX-TEXEL is proud to include major North American landfill operators among its customers, and has carried out many projects that demonstrate **DRAINTUBE**'s performance in:

- draining rainwater under site caps to reduce embankment soil saturation and thereby increase its stability
- actively draining biogas to reduce pressure under the cushioning agents
- draining groundwater under confinement cells to eliminate the buildup of hydrostatic pressure

DRAINTUBE can also be used to replace part of the gravel layer to drain leachates at the bottom of sites

SPORTS AND BUILDING ENGINEERING An easy-to-use solutions

Gravel layers used for drainage can be replaced with **DRAINTUBE** technology. In building construction and sports fields, the use of gravel causes problems relating to everyday traffic, increased loads on existing buildings, and the long and delicate task of installation. **AFITEX-TEXEL** has developed an array of products for its municipal and private customers that are specially designed to meet such challenges

APPLICATIONS:

- Drainage for sports fields that use synthetic materials
- Rainwater drainage from municipal drinking water tanks and groundwater and biogas drainage under concrete slabs



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We'll do it.



CIVIL ENGINEERING

A way to reduce environmental footprints at work sites

Transit authorities regularly use **DRAINTUBE** instead of gravel layers for draining groundwater.

Not only does **DRAINTUBE** perform just as well, it reduces environmental footprints at work sites significantly by eliminating more than 90% of greenhouse gas emissions related to the transportation of materials.

APPLICATIONS:

- Draining groundwater from road foundations (where the water table is high)
- Draining compressible soil (in relation to vertical drainage)
- Drainage behind reinforced walls to act as a hydraulic barrier

MINING

An ideal market for this technology

DRAINTUBE technology adapts easily to the complex challenges that confront mining engineers on a daily basis. Input from many different laboratories, operators and designers has helped the technology evolve in order to solve drainage problems in this field:

- acid leachates as part of heap leach pad extractions
- dry tailings to build in stability by reducing soil saturation
- water runoff onto and biogases under geomembranes, as part of projects to cap tailing landfill sites
- groundwater under freshwater ponds for shale gas extraction





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AFITEX•Texel

LE DRAINAGE SUR MESURE • THE DRAINAGE YOU WANT

AFITEX

AFITEX, a company based in France, is specialized in drainage for over 20 years as a leader in this field in Europe.

TEXEL

TEXEL, founded in 1967, is now manufacturing a large range of non-woven materials, including very high quality geomembranes, and is recognized as a leader in North America.

AFITEX-TEXEL

The experience and expertise of both AFITEX and TEXEL stand for excellence in the design, development, manufacture and marketing of high quality specialized synthetic materials – such as DRAINTUBE – destined primarily for drainage markets in civil engineering, mining, the environment and sports. Located in Sainte-Marie, Quebec, the company transforms basic textiles into high performing geosynthetic drainage products.

AFITEX-TEXEL relies on its experience and know-how to focus on three major assets: its high quality products, its outstanding customer service and its innovative edge. The priority is to understand and even anticipate customers' expectations, while at the same time adapting to the constraints and concerns of the designers and entrepreneurs.