DRAINTUBE™ offers:

- 3 perforated pipes size options: 16, 20 and 25 mm
- 4 perforated pipe spacing options: 2 m, 1 m, 1/2 m, 1/4 m *(80", 40", 20", 10")*
- Multiple geotextile options
- Available transmissivity between 2.5 10^{-4} to 4 10^{-3} m^2/s at i=0.1
- No change in transmissivity up to 2500 kPa *(50,000 psf)*
- Low creep reduction factor
- No geotextile intrusion
- Standard roll size: 3.98 m x 75 m *(13.1' x 246')*
- Faster and easier to install than other types of geocomposites, no tying required!
- Consistent QA/QC
- Competitively priced!

Produced by

AFITEX•Texel
LE DRAINAGE SUR MESURE • THE DRAINAGE YOU WANT

Distributed by

Contacts

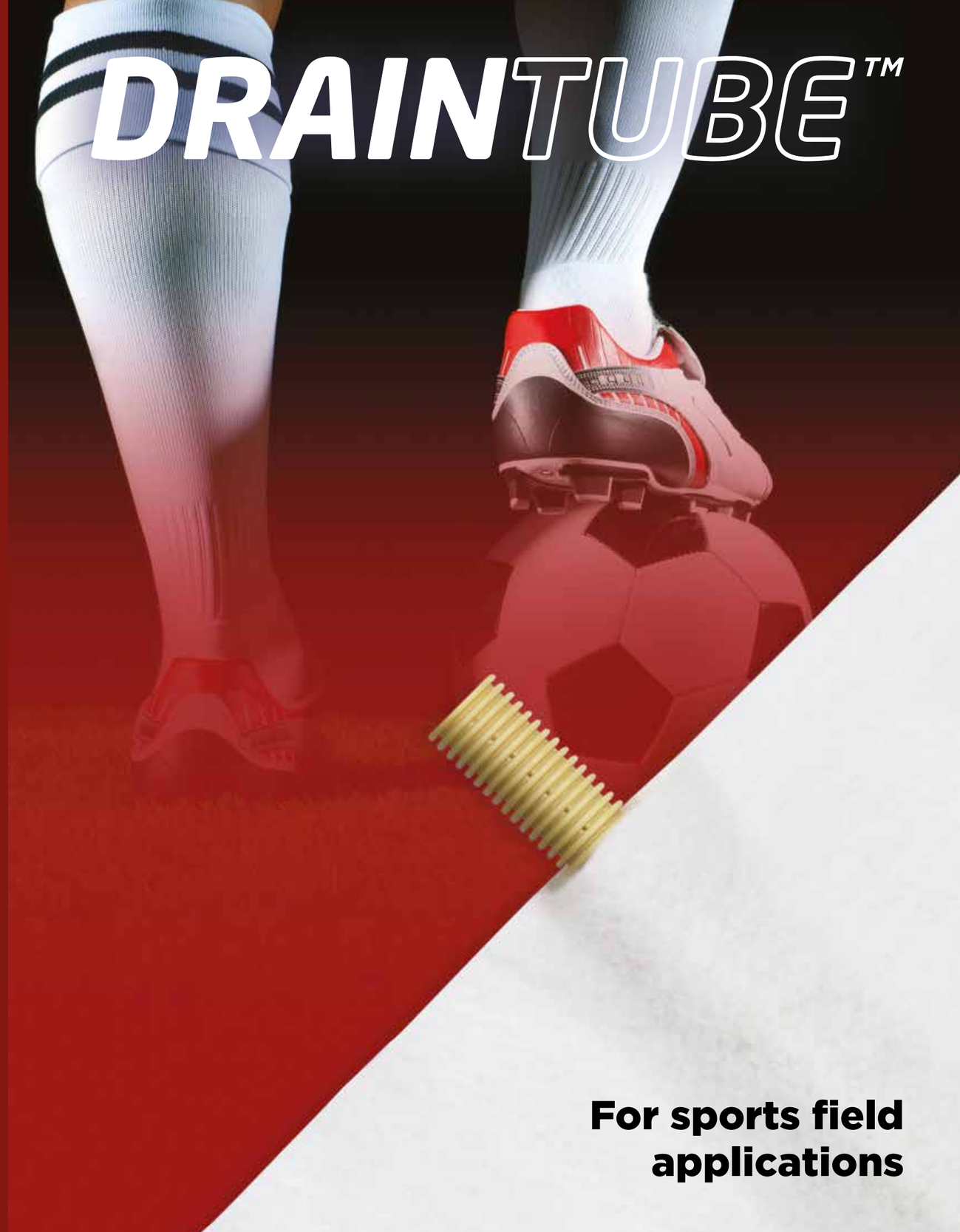
United States
Phone: 418 929-3139

British Columbia
2704-1211 Melville Street, Vancouver, Bc V6E 0A7
Phone: 604 558-2900
Fax: 604 558-2901

Quebec
160-2, Boulevard Industriel, Boucherville, Qc J4B 2X3
Phone: 450 650-0100 #310
Fax: 450 650-0104

info@draintube.net
WWW.DRAINTUBE.NET

DRAINTUBE™



For sports field applications

A low-cost and environmentally friendly drainage solution.

For many years, 150mm *(6")* of washed stone protected by two layers of geotextile has been considered as the state of the art drainage solution for synthetic sports fields.

Today, **DRAINTUBE™ Sport FT** drainage geocomposite offers a better, more effective solution for drainage with the following advantages:

- **significant cost reductions,**
- **simple installation,**
- **variable design options,**
- **improved performance,**
- **a better environmental footprint through a significant reduction of GHG.**

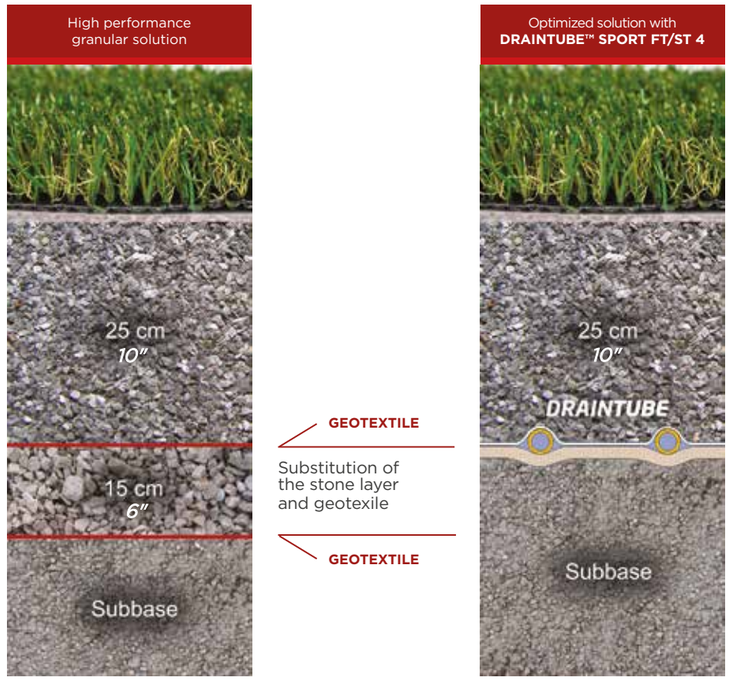
"Good sports fields need good drainage"

DRAINTUBE™
The drainage you want!

Comparison between a stone layer and the DRAINTUBE™ Sport FT/ST 4

Transmissivity comparison
(Sagéos Laboratory testing – 2006)

Tests were conducted at the CTT Group – Sageos Laboratory, in June, 2006. The objective was to compare the hydraulic behavior of **DRAINTUBE™** to 150 mm of clean stone under various gradient pressures and loads. The results indicate that **DRAINTUBE™ FT/ST 4** is equal in performance for a 0.01 gradient. Clean stone = **DRAINTUBE™** = $10^{-2}m^3$ /s/m.



Performance comparison
(Defargo-Sagéos bench test - January 2007)

Large scale rainfall bench tests were conducted in January 2007, with the support of Defargo, Inc - Carignan (Qc) under the independent control of the Sagéos laboratory. Large scale rainfall bench tests were conducted. The results indicate equivalent Flow Rate capacity under continuous flow, which resulted in no saturation of the systems despite significant rainfall events.

Calculated performance
(Using Lymphéa® Software)

The Lymphéa® software was developed in association with the University of Grenoble and le Laboratoire des Ponts et Chaussées (France) to calculate the requirements for **DRAINTUBE™** in civil applications. The performance of both systems was comparable in typical hydraulic conditions for standard sports applications.

Quality control

Natural resources
The variability of granular material is well-known. Even the same batch of material from the same location can be different.

Vs

Manufactured resources
Minimal transportation expenses mean sizeable cost savings. Material resources are abundant. **DRAINTUBE™** is available throughout the year.

Cost control

Natural resources
Costs vary depending on how far away the gravel pit is situated. Costs vary according to the availability of resources. Costs vary due to the time of year.

Vs

Manufactured resources
The quality of **DRAINTUBE™** is assured at the factory. The product delivered is the product ordered. QA/ QC is both easier and more certain.

Environnemental balance
(sustainable development)

Natural resources
NON RENEWABLE
The excavation and replacement of 150mm *(6")* of material over a 10,000 m^2 *(108,000 ft^2)* area requires 240 trucks.

Vs

Manufactured resources
RENEWABLE
The installation 10,000 m^2 *(108,000 ft^2)* of **DRAINTUBE™** FT/ST 4 requires only 1 truck and 3 labourers working for 2 days.

Replacing 150 mm *(6")* of stone with
DRAINTUBE™ SPORT FT/ST 4
drainage geocomposite can:

- Save 15% or more on the cost of building a granular foundation
- Reduce construction delays, social disruptions (traffic, noise, dust)
- Significantly reduce greenhouse gas emissions