



DRAINTUBE®



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Synthetic and Natural Sports Fields

Foundation Drainage and Separation

CONTEXT

For more than a decade, DRAINTUBE® Sport has been used with success to drain synthetic or natural sports fields and FIFA 2 Stars synthetic soccer fields.

Drainage of foundations is essential to the successful performance of sports fields. In fact, to be cost-effective, these fields must be ready to use at all times, even after heavy rain.

ISSUES

“Drainage is the removal of excess water from the soil surface and/or soil profile either by gravity or artificial means. Some fields may have adequate drainage because the field was constructed properly. However, poor drainage is one of the most common problems of high use sports fields.

Sub-surface drainage can be effective at removing excess water from the rootzone during high rainfall events and for reducing the water table. There systems assist in moving out the soil profile by providing a pathway for ‘excessive’ or ‘drainable’ water to leave the soil. They work the best when good internal drainage is in place”.

RETAINED DESIGN

DRAINTUBE® Sport is used to replace the clean gravel drainage layer. It drains the infiltrated water on the entire surface of the field and offers a separation between the sub-base and the foundation.

ADVANTAGES

DRAINTUBE® Sport geocomposite fulfils both drainage and separation functions while offering the following additional benefits:

- Significant reduction of the truck traffic in and around the site and thus, decrease of the environmental and social footprint of the project
- Higher water discharge velocity than a granular layer
- Prevention of differential settlements (surface waves)
- Constant long term drainage capacity
- Easy and secure to install



Traditional Gravel Solution



DRAINTUBE® Solution

Typical cross section of DRAINTUBE® installed below the foundation of a Natural or Synthetic Turf Sports Field.



Backfill placement on the DRAINTUBE®.

PROJECT SUMMARY

Products	DRAINTUBE SPORT FT4 D20 / FT2 D25		
Quantity	More than 86 projects completed 600,000 m² (6,500,000 sq ft)	Design	Various
Application	Base drainage under Synthetic and Natural Sports Fields foundation	Installation	Various
Owner	Most of the cities in Quebec	Years	Since 2007



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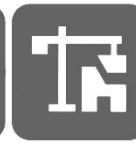
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AFITEX-TEXEL GEOSYNTHETICS ADDED VALUE

The expertise of the AFITEX-Textel team provided the designers with all the necessary information and technical support to choose the most suitable solution based on the project's parameters.

« What AFITEX-TEXEL has to offer »

AFITEX-Textel will be pleased to assist you in the evaluation and design of your next projects, because our approach has always been and always will be the same: the right product, in the right place, well installed with rigorous quality control.

In case you need technical support? Feel free to refer to the AFITEX-Textel team. Expert services will be provided free of charge:

- Technical Assistance
- Assistance during Design
- Technical Training
- Technical Documentation
- Calculation Tools
- Specification & Tender documents
- Installation Guidelines



YOU NEED MORE INFO?

Never hesitate to contact one of our specialists in order to know more about the benefits you can get from your projects

1-800-463-0088

Available documentation

- Technical data sheets
- Installation guidelines
- Standards & Studies
- List of projects
- Design Software

www.afitextexel.com



Ste Hyacinthe Qc – Synthetic Sports Field – 2014

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