

## PROJECT CASE

Condé-Pommeroeul canal  
Vieux-Condé (59)

### Rinsing of sediments

**Date**

2019

**Surface area**

55,000 m<sup>2</sup>

**Project Owner**

VNF

**Product(s)**

DRAINTUBE FT

**Project manager**

Valétudes

**Company(ies)**

Ecoterres  
Guintoli

### Description of the project

The Condé-Pommeroeul canal was put into service in 1970 for a capacity of 1,350 Tonnes. Partially silted in the 1990s and completely so in 2015, a major dredging operation was undertaken with a view to broadening it and increasing its capacity to 3,000 Tonnes. This broadening will provide a direct link between French and Belgian broad-gauge canals.

### Issue

The 1,300,000 m<sup>3</sup> of dredged sediments must be stored in dredge depots. As they are deemed non-hazardous but non-inert, they cannot be reused and the structure of dredge depots is subject to the same rules as landfills. While these depots will eventually be closed (waterproof cover), they must be rinsed first, *i.e.* "washed" by rainwater.

### Solution

The DRAINTUBE FT geocomposite was used to:

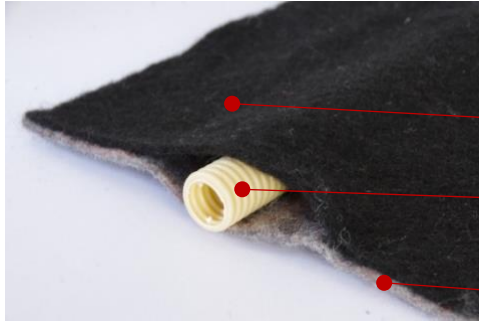
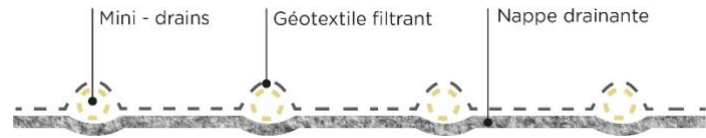
- Do away with part of the granular material
- Do away with the protective geotextile

DRAINTUBE FT was specifically designed based on the geometry and constraints of the project. Placed directly on the geomembrane, its puncture-resistant function guarantees the effective protection of this geomembrane while draining water generated by the rinsing of sediments.



## Description and purpose of the products

DRAINTUBE FT consists of a non-woven needled filtering geotextile made of PP, a non-woven needled drainage layer made of PP, ringed mini-drains made of PP with regular perforations and a non-woven needled filtering geotextile made of PP. Geotextile components are coupled together by needling; mini-drains are inserted during needling.



Filtering geotextile

Mini-drain

Drainage layer

## Work progress



Longitudinal overlaps



Transverse overlaps

## Advantages of the proposed solution

- Reduced use of granular material
- Drainage and mechanical protection in a single product

## Contacts

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