

# TEXEL GEOPURE

SEPARATION GEOTEXTILE SPECIFICALLY DESIGNED FOR LEACH FIELDS

## + ADVANTAGES:

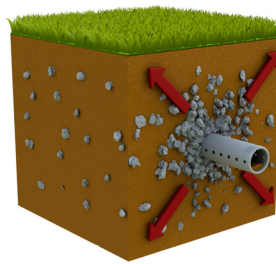
Inexpensive solution which considerably increases the life of septic installations;

Promotes the gaseous exchanges required by biological filtration;

Provides high mechanical resistance ensuring durability during installation and backfill.



Texel Geopure is a non-woven needled geotextile specifically developed for use in the leaching portions of septic installations (leach or disposal fields) in order to achieve separation between clean stone or sand and the natural soil surrounding the treatment system. Made from decomposition-resistant synthetic materials, Texel Geopure features mechanical resistance and permeability better adapted to this application than conventional solutions made of blotting paper.



WITHOUT SEPARATION



WITH TEXEL GEOPURE

## FUNCTIONS



PROTECTION



DRAINAGE



REINFORCEMENT



FILTRATION



SEPARATION



WATERPROOFING

## SECTORS

- ✓ Municipal and Landscape Architecture

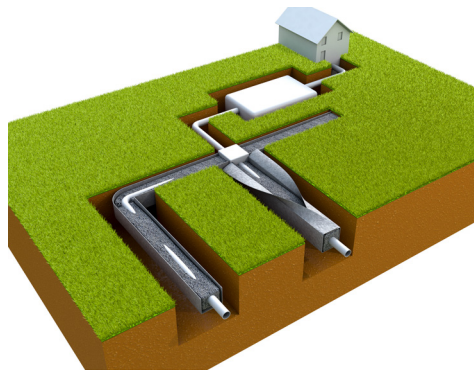
## A SOLUTION TO CLOGGING CAUSED BY SOIL PARTICLES

The life of a leach field, also called secondary treatment, is limited by and depends on 3 main factors :

- The type of soil surrounding the installation;
- The type and rate of use of the building;
- The maintenance and draining frequency.

Texel Geopure provides a solution to the main risk factor and one on which you have no control, namely the type of soil surrounding the septic installation.

# TEXEL GEOPURE



## INSTALLATION OF A SEPARATION GEOTEXTILE :

- Excavate the zone required for the pipes and leach field according to specifications;
- Lay the geotextile on the bottom of the trench leaving excess material for closure;
- Place the layer of clean stone on the bottom and place the piping system on top;
- Cover with the remainder of the clean stone and close the excess geotextile. If a new piece of geotextile is required, overlap by 300 mm;
- Cover with backfill material.

## TEXEL GEOPURE, A SOLUTION ADAPTED TO YOUR SEPTIC INSTALLATIONS

**The problem:** One of the main causes for reduced performance by seepage-type treatment systems over time comes from the contamination of the stone bed by soil particles. The migration of fine particles found in the surrounding soil towards the bed of clean stone results in its clogging. This causes a reduction in the exchange of oxygen required for the system to function properly.

**The solution:** The use of Texel Geopure prevents the migration of soil particles thus preventing the clogging process. The characteristics which are important to consider for this separation function are filtration openings which are sufficiently small to retain soil particles while preventing the separator from clogging over time. On the other hand, the permeability of the separator must also remain sufficient over time to allow the gaseous exchanges required by biofiltration. Finally, the product must be resistant enough to withstand the mechanical forces generated during its installation and resulting from backfill.

Texel Geopure differentiates itself from conventional solutions through its high mechanical resistance and its excellent permeability which promote gaseous exchanges. Furthermore, Texel Geopure can be combined with Alkegen root-control solutions for increased performance.

SPECIFICATIONS	Description	Type of product	Format
	Texel Geopure 01.52M Texel Geopure 03.05M	Non-woven needled polypropylene geotextile	Roll

## TEXEL GEOPURE, PROPERTIES WHICH MAKE A DIFFERENCE

Properties Measured		Test Method	Unit	Interpretation
Mechanical	Tearing strength	ASTM D4533	%	Indicates the product's resistance to the propagation of a tear when force is applied to the material.
	Puncture resistance CBR	ASTM D6241	N	Quantifies puncture resistance to aggregate pressing against the geocomposite.
Hydraulic	Permeability	ASTM D4491	cm/s	Measures water flow through the geotextile in the normal direction under predetermined hydraulic loads.
	Filtration opening size FOS	CGSB 148.1-10	µm	Indicates the size of soil particles which can pass through the geotextile under hydrodynamic conditions.

This table presents a summary of specifications. We invite you to consult updated information sheets and detailed technical specifications on our website at [www.texel.ca](http://www.texel.ca).

### NEED TO KNOW MORE?

Call our representatives for your projects! 1 800 463-8929 | [texel.ca](http://texel.ca)

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