

GEOPURE

PRODUCT CUT SHEET

SEPARATION GEOTEXTILE
SPECIFICALLY DESIGNED
FOR LEACH FIELDS



ADVANTAGES

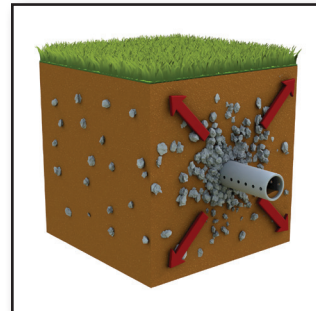
Inexpensive solution which considerably increases the **life of septic installations**

Promotes the gaseous **exchanges** required by biological filtration

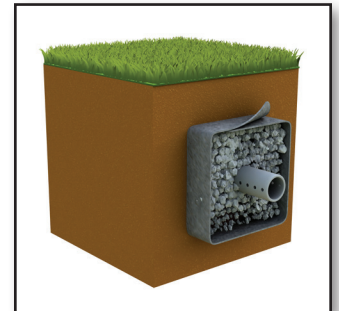
Provides high **mechanical resistance** ensuring durability during installation and backfill

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, Geopure features mechanical resistance and permeability better adapted to this application than conventional solutions made of blotting paper.

WITHOUT SEPARATION



WITH GEOPURE



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.

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.

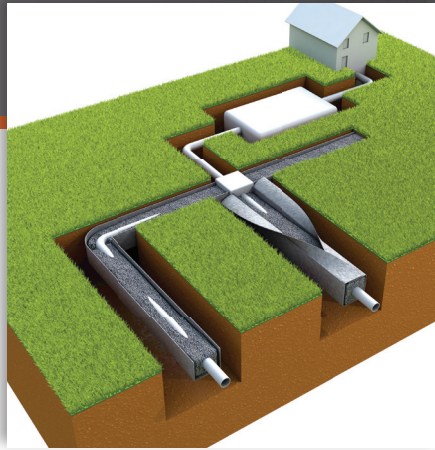
FUNCTIONS



SECTORS

- Municipal and Landscape Architecture
- Roads and Transportation
- Natural Resources and Energy
- Industrial and Waste Management

**NAME IT.
WE'LL DO IT.**



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.

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 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.

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



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1-800-463-0088

SPEC SHEET



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SPECIFICATIONS

Description	GEOPURE 01.52M / GEOPURE 03.05M
Product type	Non-woven needled polypropylene geotextile
Format	Roll

GEOPURE, properties which make a difference

Properties measured		Test method	Unit	Interpretation
Mechanical	Tearing strength	CGSB 4.2-12.2	%	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	CGSB 148.1-4	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.

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