

Geotextiles

High-performance solutions
for civil engineering projects



Designing and manufacturing value-added nonwoven geotextile solutions

An **ADS** subsidiary

Texel[®]
Your Edge.

Responding to your needs and to industry trends

You're connected to your market and your customers' needs. We truly understand the processes and application challenges related to geotextiles for the construction industry. Together, we can deliver the solution that responds to your industry needs. Texel provides creative, high-performance solutions that enable you to:

- **Reduce construction costs**
- **Improve the quality of the job delivered to your customer**
- **Use performance-proven materials to increase your productivity**
- **Meet environmental regulations**

Superior efficiency to stay ahead of the competition

Increasing your efficiency and your competitiveness provides our daily motivation. It's as important to us as innovation, quality, and the development of products that meet your needs and the requirements of your industry.

Since 1967, Texel has been exploiting the full potential of needlepunched nonwoven fabrics to design and manufacture added-value solutions

that offer real benefits. Our goal is to provide innovative, high-performance solutions that help you to be more competitive, and ultimately, more profitable. For us, meeting this goal every day is a matter of pride.

Current applications

Our solutions are the first choice for the following sectors and applications:

- **For highways, streets, parking lots, rural routes, forestry roads, and airport tarmac:**
 - Separate different soil types
 - Reinforce road foundation
 - Road surface drainage
 - Soil filtering and retention
 - Acoustic barrier walls and embankments for erosion control
- **For landfills and pond systems:**
 - Drainage
 - Puncture protection for geomembranes.



Innovative solutions with real benefits.

For nearly 3 decades, Texel has been designing and manufacturing nonwoven geotextiles that help you solve even the most complex civil engineering problems. Mainly used for geotechnical applications, our wide range of solutions will impress you with their performance and effectiveness.

Whether used for separating different granular soils, for filtering or draining, or for reinforcement, our solutions provide extraordinary benefits that will meet your needs in relation to the latest trends and environmental regulations.

- **Long-term investment.** Our geotextile are produced according to North American industry standards (ASTM and Canadian Standards).
- **Peace of mind.** Our products are tough, effective, proven, and accepted. Nearly 30 years of use in the highly regulated road construction industry is the best proof of their quality.
- **Affordable solution.** Our products are easy to install. In particular cases, their efficiency helps avoid certain tasks or costly additional products. This is how they help reduce construction costs.

Our experience

As a reputable designer and manufacturer, Texel ensures:

- Unique expertise.
- Complete control of quality, manufacture, and distribution.
- Consistent product quality and supply.
- An efficient North American distribution network.

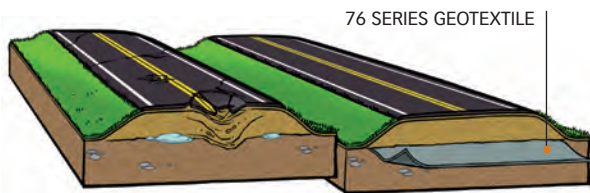


Effective, safe, profitable products.

Serie 76^{MD}

Soil separation geotextile

Texel offers a wide range of standard products available in a variety of sizes.

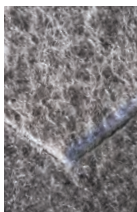


- Highly permeable.
- Allows reduction in foundation thickness in some cases.
- Helps improve structural cohesive strength



Geo-9^{MD}

Reinforcing geotextile for soil with poor bearing capacity



The Geo-9 geotextile is particularly effective for the following applications: municipal roads, wood lots, parking lots, forestry roads, turf, clay soils, and as a protective membrane for landfill sites or aeration ponds.

- Provides high pressure resistance and equal distribution of static loads.
- Effectively separates layers of soil while conserving their mechanical and hydraulic properties.
- Offers high efficiency filtering.
- Resists static and dynamic stresses.
- Keeps heavy construction machinery from sinking into the ground.
- Easy installation.



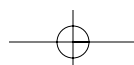
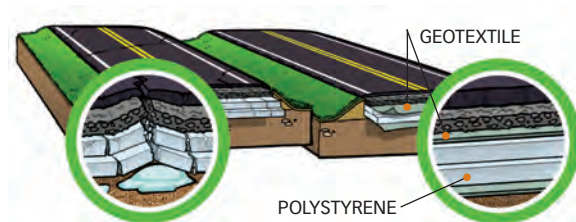
IsoloTex^{MD}

Road insulating geocomposite



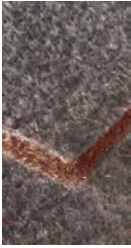
This innovative composite is ideal for insulating paved areas made with frost-sensitive materials. This membrane is also perfect for insulating conduits of any type.

- Protects paving from negative effects of frost.
- Reduces frost depth.
- Avoids the problems traditionally associated with polystyrene panels.
- Combines the established thermal resistance properties of polystyrene panels with the mechanical and hydraulic properties of a geotextile.
- Improves performance of the finish material.
- Reduces paving repair costs.
- Available in panels.



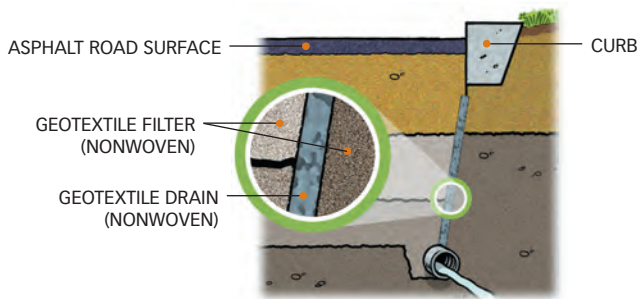
Texdrain[®]

Drainage geocomposite



The solution for effective drainage. Texdrain 80 is a flexible membrane featuring a drainage element sandwiched between two geotextiles that act as filters. It is most often used for roads, parks, parking lots, railways, airports, landfills, and concrete foundations.

- Drains away infiltration while filtering fine particles.
- Allows moisture content of paving to be reduced significantly.
- Can be used for both horizontal and vertical drainage.
- Enables smooth flow even under high pressure.
- Extremely strong but flexible material.
- Naturally adapts to soil movement.
- More profitable than conventional drainage systems.
- Can be installed under concrete slabs.
- Protects against soil heaving caused by frost.
- Easy installation.



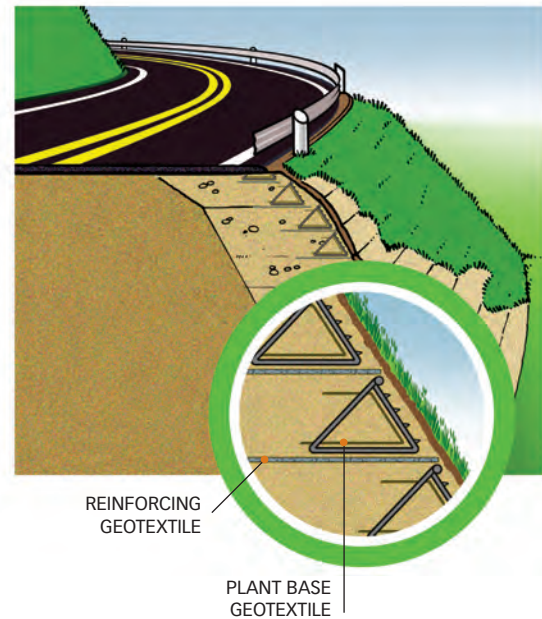
Textomur^{MD}

Green wall system for slope stabilization



This patented system allows grass or other plants to be seeded on slopes of up to 60 degrees. Textomur is a complete and innovative solution that acts as a slope stabilizer. It can be used to build anti-noise embankments and retaining walls that actually help improve the environment.

- Blends perfectly into the environment.
- Replaces concrete structures or block walls.
- Naturally stabilizes slopes.
- Encourages plant growth.



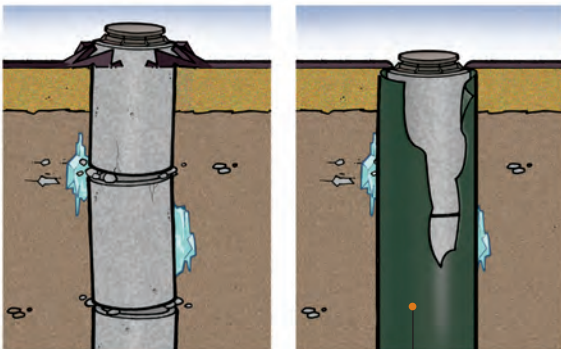


Antiheaving geocomposite for manholes and drain traps



Tex-O-Flex 40-12 is the solution for problems of frost-related heaving for manholes. The internal geotextile remains in permanent contact with the manhole and serves as a drainage layer. A PVC membrane laminated to the geotextile allows for frozen slippage of frozen soil on the exterior.

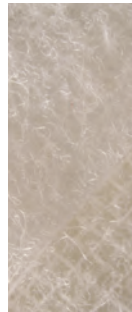
- Breaks ground connection in freezing conditions.
- Prevents soil particles from penetrating manhole structure.
- Keeps structure dry at all times.
- Allows for soil movement next to structure.
- Reduces road repair costs.



TEX-O-FLEX 40-12



Anti-bacteriological blockage filter

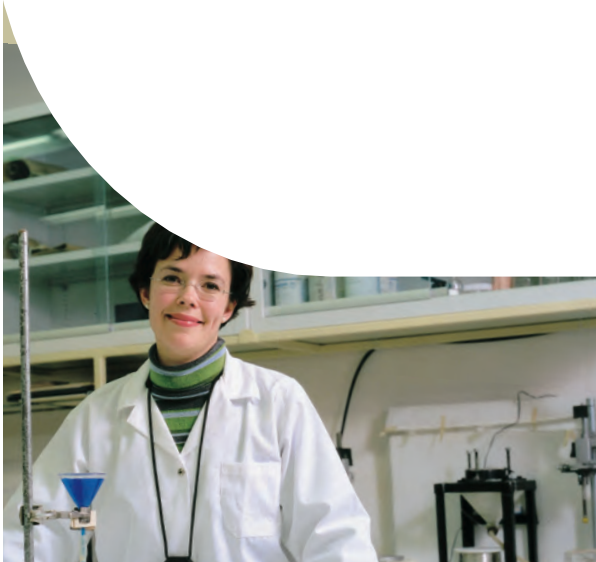


Filtex reduces the risks of drainage systems being clogged by organic materials leaching from landfill sites. The fibers used to fabricate have been specially treated to inhibit bacterial growth. In addition, the large aperture polypropylene filter media prevents bacteria from becoming physically attached to the geotextile or to the drain.

- Reduces formation of organic surface films.
- Reduces cost of cleaning drainage system.
- Ensures effective operation of the drainage system for the entire life cycle of the site.



FILTEX



Tex·Cure^{MD}

Geotextile designed to improve the quality of the concrete during the curing process.

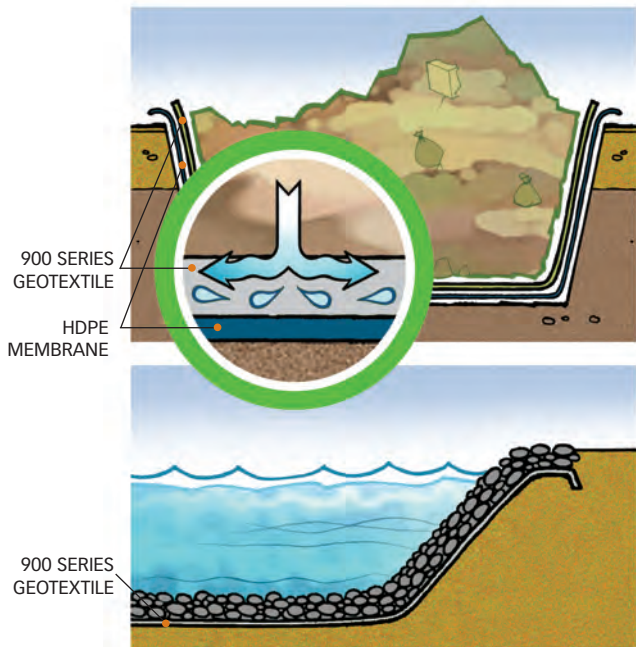


Serie 900^{MD}

Geotextile for geomembrane protection and rock embankments



This series of products protects the geomembrane from perforation during backfilling and can be used as an underlayment for protective stone embankments.



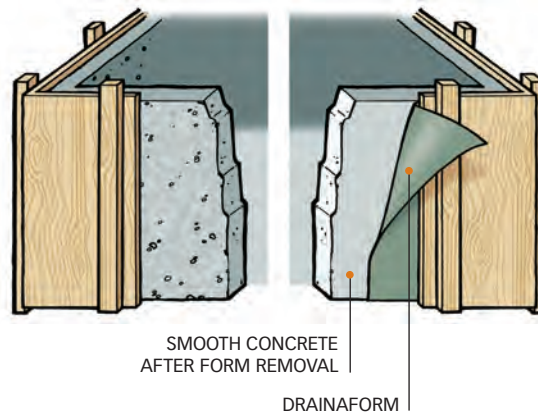
Drainaform^{MD}

Concrete form geotextile



Serving as both a filter and a drainage component, Drainaform eliminates most problems associated with surface watering and air pocket formation during the curing process of poured concrete. Drainaform creates a compact layer of fine cement particles that makes the finished concrete surface stronger and less porous.

- Offers a smooth, solid surface without the use of sealants or other additional ingredients.
- Provides superior scratch and impact resistance.
- Eliminates air pockets that form holes, thus improving protection against water and salt infiltration that causes corrosion of steel reinforcing.
- Reduces sanding and polishing - surface is smooth right out of the forms.
- Improves the appearance of concrete surfaces.
- Reduces maintenance costs because of higher resistance to the freezing-thawing cycle.



Texel Capabilities

Our proven experience is supported by advanced equipment that allows us to develop custom-made solutions for your specific needs while maintaining consistent, efficient production of our standard products.

Our wide variety of geotextiles are designed for everything from winter protection to the most demanding geomembrane applications. Our entire range of products is always in-stock in order to satisfy demand.

About Texel

An ADS subsidiary, Texel is one of North America's leading manufacturers of needlepunched nonwoven fabrics for technical use. Since 1967, our specialized products have been employed by many American and European manufacturers. Our products are used in a wide range of sectors including filter media, absorbent felts, wipes, insulated slippers, geotextiles, agrotexiles, and industrial applications.



Talk to the expert at: geotextiles@texel.qc.ca
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For more information on our products and our solutions, contact us directly or visit our website.

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