Geotextiles

Soil Separation & Filtration Solutions

TITAN

BUILD YOUR LEGEND

TE Geotextiles

Introduction

Titan is proud to provide containment and erosion control industries with the highest quality geotextiles available for drainage filtration, soil separation, and reinforcement needs.

Available in varying strengths and thicknesses, TE geotextiles help improve the performance of environmental engineering, civil engineering, and construction projects.

They work to restrict soil particles while allowing liquid and gases to easily pass through, providing the perfect balance of functionality for a wider range of applications and needs.

The type of construction projects requiring soil separation and filtration is vast, however common projects where geotextiles are typically used, include:

ROAD BUILDING

RAILWAY CONSTRUCTION

EARTH DAM CONSTRUCTION

RETAINING WALL CONSTRUCTION

LANDFILL LINING SYSTEMS

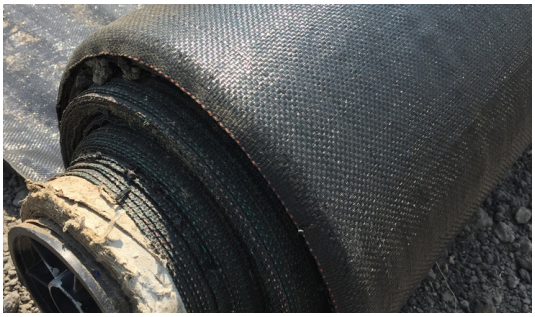
WASTEWATER LAGOON LINING SYSTEMS

EMBANKMENT AND CHANNEL EROSION CONTROL SYSTEMS

DRAINAGE TRECHES & DITCHES

Woven Geotextile

Our woven geotextiles are primarily used in road building and embankment construction. They function by restricting soil particles but allowing liquids and gases to pass through them easily. They are used to improve the performance of environmental engineering, civil engineering, and construction projects including roads, railways, and landfills.



Features:

- Made of polypropylene materials.
- High tensile strength and durability.
- Easy to install.

Benefits:

- Cost-effective environmental alternative to traditional construction materials.
- Reduces required aggregate thickness in unpaved roads.
- Extends road and railway life.
- Speed-up construction with short-term reinforcement of the base.
- Offers optimum performance when used in stabilization applications.

Applications:

- Soil separation in road construction
- Sub-grade stabilization
- Railroad stabilization
- Filtration
- Erosion & Sediment Control
- Protection for geomembrane liners
- Subsurface drainage
- Containment
- Temporary liners
- Turbidity Curtains & Silt Fence
- Covers & tarps

Nonwoven Geotextile

Our nonwoven Geotextiles provide the containment and erosion control industries with the highest quality geotextiles available. These needle-punched geotextiles are made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. They function by restricting soil particles but allowing liquids and gases to pass through them easily and are used to improve the performance of environmental and civil construction projects.

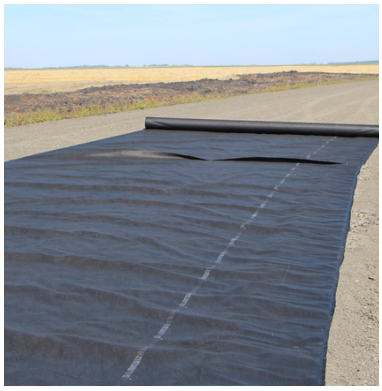
Features:

- Needle-punched.
- Made of 100% polypropylene staple fibers formed into a random network for dimensional stability.
- Has excellent chemical compatibility.
- Resistant to UV deterioration, rotting, biological degradation, naturally encountered basics and acids.
- Easy to install.

Benefits:

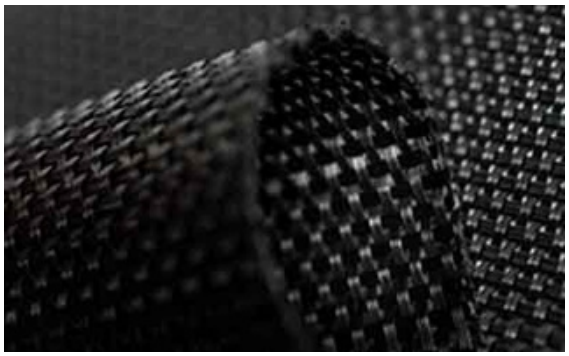
- Excellent chemical compatibility.
- Long-term performance in strength and durability.
- Extends road and railway life.
- Cost-effective environmental alternative to traditional construction materials.
- Prevents banks from soil erosion.
- Easy to install.

Applications:



- Soil separation
- Filtration
- Erosion & sediment control
- Sub-grade stabilization
- Protection for geomembrane liners
- Shoreline protection
- Roadway separation
- Railroad stabilization
- Subsurface drainage
- Containment
- Gas venting
- Under riprap or around pipes

Monofilament Geotextile



Titan's Monofilament Woven Geotextiles are used when high water flow rates are necessary. This type of woven geotextile is manufactured from extruded polypropylene monofilaments which are woven to create a very dimensionally stable and highly permeable geotextile. They function by restricting soil particles but allowing liquids and gases to pass through them easily.

Features:

- Manufactured from extruded polypropylene monofilaments which are woven to create a very dimensionally stable, highly permeable geotextile.
- High tensile strength and durability.
- Ideal for situations where high water flow rates are necessary to provide filtration underneath materials such as gravel, riprap, large stone blocks, Geo-Cell, interlocking blocks, paving bricks, or other types of erosion protection.
- Resistant to soil and biological clogging.

Benefits:

- Reduces the required aggregate thickness in unpaved roads.
- Extends road and railway life.
- High tensile strength and durability.
- Cost-effective environmental alternative to traditional construction materials.
- Easy to install.
- Helps to speed up construction with short-term reinforcement of the base.

Applications:

- Shoreline revetment systems
- Hard armor underlayment
- Soil separation
- Filtration
- Erosion & sediment control
- Sub-grade stabilization
- Containment
- Temporary liners
- Landfill
- Protection of geomembrane liners
- Covers & tarps
- Subsurface drainage

Sewing Machine & Staple Setter

We offer a sewing machine and staple setter for geotextile installation. Please contact one of our sales representatives for additional information and pricing.

Portable Sewing Machine:
(Purchase or Rental)

- Built-in thread chain cutter.
- Housing for electric motor and handle made of fiberglass-reinforced break-resistant polyamide.
- Combined upper & lower feed for greater power grips both sides material.

Staple Setter:
(Purchase Only)

- 42″ long handle with magnet at bottom that attaches staple to push it in all the way into the ground. NO moving parts.
- No more: bending over, stepping on staples or bending staples.
- For use with 1” steel staples of any length, 11 gauge.

Titan Environmental supplies proven geosynthetics and specialty civil engineering construction solutions designed to extend the life of vital infrastructure while protecting precious natural resources.

We push limits with creative solutions. Our product lines include geomembranes, geotextiles, geogrids, primary & secondary containment systems, stormwater management solutions, drainage solutions, MSE wall & slope systems, and erosion & sediment control products. We service the road construction, agricultural, waste management, water resources, mining, oil and gas, and hydroelectric industries that support essential infrastructure worldwide. By providing engineers with a resilient foundation for building better, we've become North America's fastest-growing-end-to-end geosynthetics supplier, fabricator and installer.

We do more than help manage environmental impact, we help improve how that's done. With a team of audacious innovators and agile problem-solvers, we're trusted to adapt to change, respond quickly, and support you at every stage. When you build with Titan, you strive for your very best.

Titan Environmental Containment
Toll free: 1-866-327-1957 | info@titanenviro.com | TitanEnviro.com

TITAN
BUILD YOUR LEGEND