2023

COMPANY PROFILE

Miller Geosynthetics

MILLER®
GEOSYNTHETICS

ABOUT US

When our founder brought Miller Geosynthetics to life, our team decided to focus on three main principles: quality, pricing, and service. We are proud to say that our guiding values remain the same today. We provide the same attention to every customer, no matter the contract size.

Today, our company operates out of a state-of-the-art distribution center, catering to clients across the country and ensuring that they receive exactly what they need, as quickly as possible. As we expand our boundaries, we will remain committed to maintaining the same neighbourly warmth that got us here.

STRATEGY & GOAL

GOAL

Miller strives for excellence and constant progress by nurturing the world of the future and balancing life and nature via new solutions.

STRATEGY

Maintain its Commitment throughout the Service

Improve Organizational Structures

Leads to High-Quality Production

Longest Lifespan of Infrastructures

Ensures Client Value at the Highest Primacy

Reliable Engineering Solutions

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MILLER®
GEOSYNTHETICS

MISSION & VISION

MISSION & VISION

To be the premier supplier of geosynthetic goods and services that improve the infrastructure, safeguard the environment, and preserve natural resources.

Pursue excellence via continual improvement while providing engineering solutions that are inventive, progressive, and environmentally friendly to our clients.

We are committed to providing exceptional safety, quality, and sustainability to create value for all stakeholders and our communities.

BRAND

Miller Geosynthetics now supplies, promotes and distributes the industry's best products. Miller Geosynthetics maintains its position as the industry leader by providing innovative solutions and products in a wide range of applications and markets throughout the nation.

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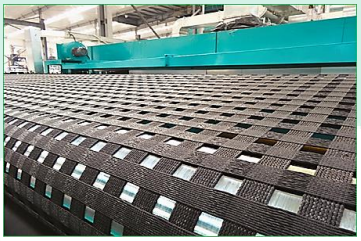
MILLER®
GEOSYNTHETICS

MOST ADVANCED GERMAN EQUIPMENT





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MILLER®
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HIGHEST QUALITY CONTROL SYSTEM

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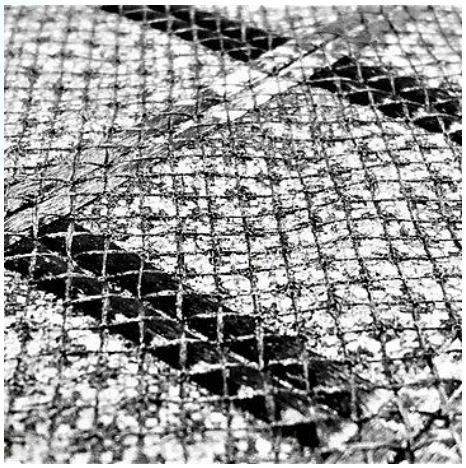
MILLER®
GEOSYNTHETICS

MILLER PRODUCTS

MillerGrid® Ultra High Strength Polyester Geogrid

MillerGrid® Geogrid is composed of high molecular weight, high tenacity multi-filament polyester yarns and has a PVC, Bitumen, and SBR coating, which offers UV resistance and further strengthens the Geogrid and minimizes fiber degradation. It is a precision warp-knitted geogrid that offers superior junction strength and a high coefficient of soil interaction. MillerGrid® is manufactured in a wide range of standard tensile strengths between 20 kN/m and 1600 kN/m. MillerGrid® are soil reinforcement materials formed into an open aperture grid configuration. MillerGrid® are used with soil, rock, or other geotechnical engineering-related material as an integral part of a human-made project, structure, or system.



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MILLER®
GEOSYNTHETICS

FEATURES

- High tensile strength at low elongation High long-term design strength Excellent creep resistance
- Flexible and durable
- Increased pull-out resistance and compound strength Optimum stability of the junction of the grid
- High chemical and biological resistance UV resistance / Cost effective
- High resistance to installation damage and ease of installation
- Custom fabricated

APPLICATIONS

- Retaining walls and steepened slopes Site access roads and transport routes
- Structural layers supporting road, railway and airport construction
- Soil/Slope stabilization Rehabilitation of waste ground Earth embankments over piles
- Landfill, Bridging of voids and sinkholes

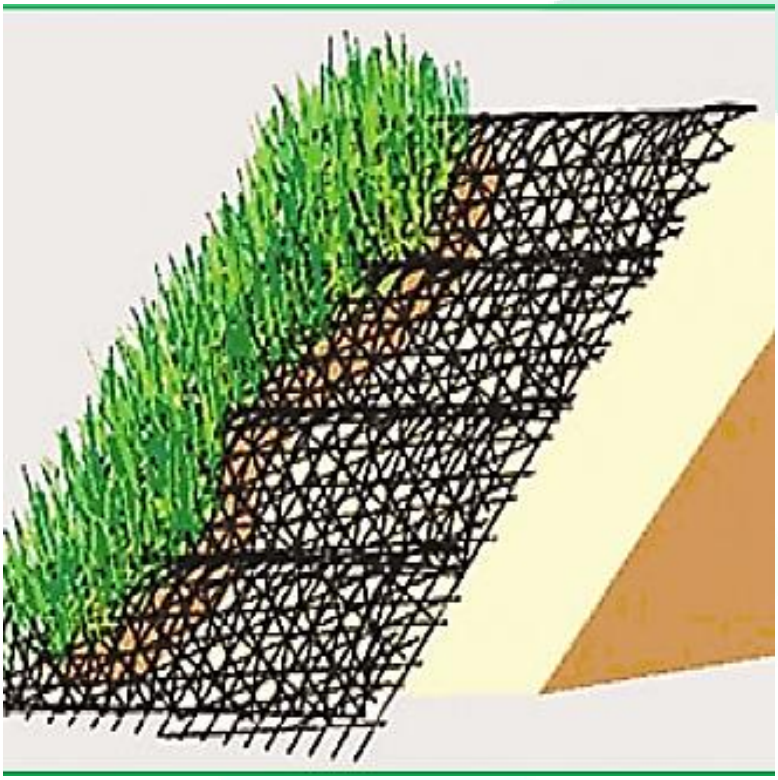
SPECIFICATIONS

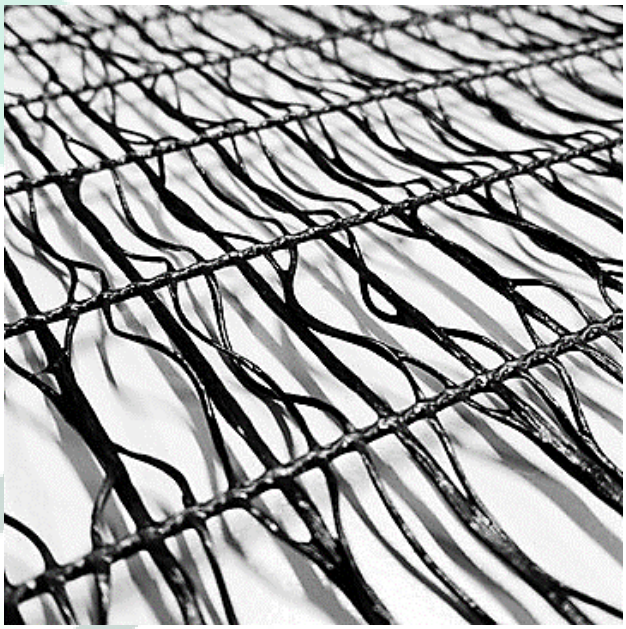
- Biaxial - 30/30, 50/50, 80/80, 100/100, 200/200, 400/400, 800/800, 1000/1000, 1200/1200 kN/m.
- Uniaxial - 50/30, 80/30, 100/30, 150/30, 200/30, 300/50, 400/50, 600/50, 800/100, 1000/100, 1200/100 kN/m, 1600/100 kN/m.
- Width: 1 - 5.2m ·Length: 50 - 200m
- Flexible Customized and OEM

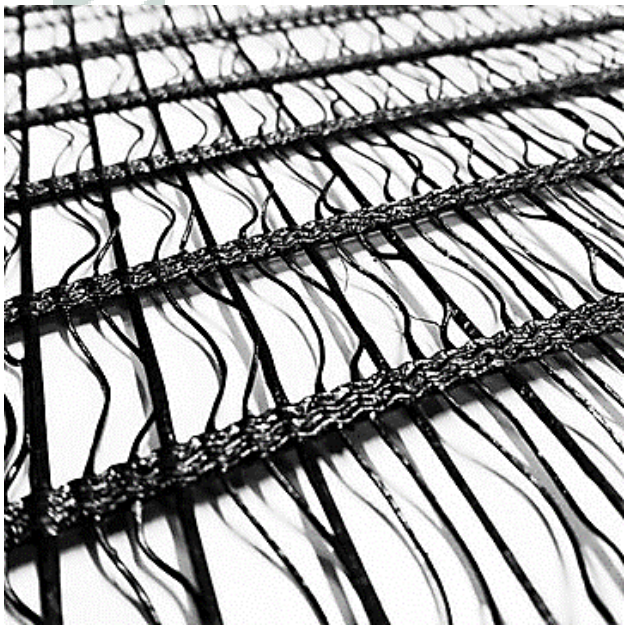
MILLER®
GEOSYNTHETICS

MillerGrid® 3D Flex Geogrid

MillerGrid 3D® is a flexible three-dimensional reinforced grid made from high-strength, low-creep polyester with polymer coating, UV radiation and mechanical damage. MillerGrid 3D® mainly used for erosion control and slope reinforcement systems.







SPECIFACTIONS

- 30/17, 50/20, 80/30, 100/30, 120/30, 150/30, 200/30, 300/30 kN/m.

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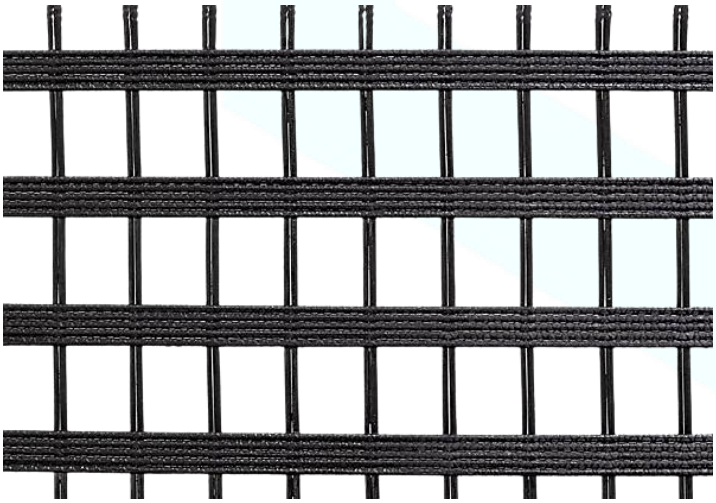
MILLER®
GEOSYNTHETICS

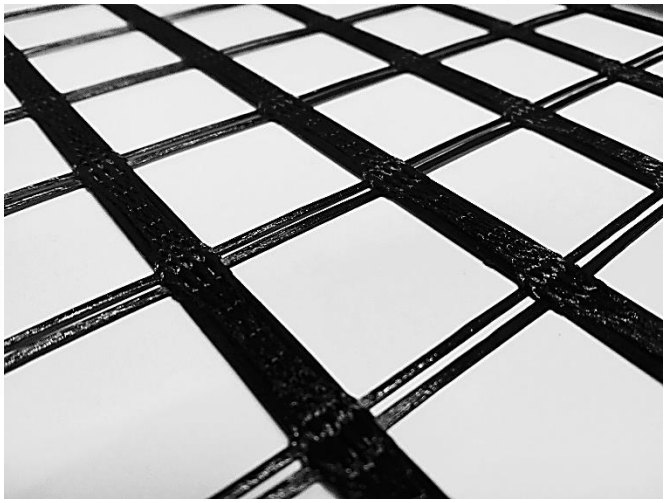
MillerGrid® PP Knitting Geogrid

MillerGrid® PP Knitting Geogrid is an engineered polypropylene yarn with polymer coating for soil stabilization, separation & reinforcement applications. Standard tensile strength from 20kN/m to 600 kNm in both longitudinal and transverse directions. It can be applied in PH 1-14 and better in concrete.

FEATURES

- High tensile strength at low elongation
- Low tendency to creep Resistance to installation damage
- High chemical and biological resistance
- Optimized grid aperture for the maximum interlocking mechanism
- Excellent pull-out and interface friction behavior Superior connection capacity with modular blocks
- Simple and quick installation





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MILLER®
GEOSYNTHETICS

MillerTex® PET Non-Woven Geotextile

PET nonwoven geotextiles are mechanically robust and highly durable with optimum water permeability and soil filtration characteristics. The nonwoven geotextiles have ***UV stabilizers at 500 hrs. > 70%*** to prevent quick degradation from sun exposure and is commonly applied as a separator to stabilize fill-over soft subgrades, revetment filtration in hydraulic and marine applications, and as a subsoil filter. Miller® PET nonwoven geotextile is indeed the ideal separation and filter geotextile for civil engineering.

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MILLER®
GEOSYNTHETICS

FEATURES

- Stabilizes base courses over low-bearing capacity subgrades
- Provides excellent tensile strength and elongation properties
- Maintains the function of drainage systems
- Offers high permeability to water and retains finest soil particles
- Provides high long-term resistance and robustness

USAGE

- Drainage
- Filtration
- Reinforcement
- Separation

SPECIFICATIONS

- 100/50, 150/150, 200/50, 200/200, 300/300, 400/50, 600/50, 800/50, 1000/100, 1200/100, 1600/100, 100/100 kN/m.
- Width: 4.5m, 5.2m, 5.3m
- Length: 50-200m.

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MILLER®
GEOSYNTHETICS

MillerCom® High Strength Geocomposite

MillerCom® Geocomposite is a knitted, non-woven composite comprising a non-woven geotextile reinforced with high tenacity Polyester yams or Glass roving in two orthogonal directions. The high tenacity, high molecular weight, and low CEG polyester yarns/glass roving with high tensile strength and low creep perform the function of reinforcement, and the non-woven performs the functions of separation, filtration and drainage. The product is resistant to chemical and biological radiation. The excellent drainage or in-plan permeability enables an accelerated dissipation of excess pore water pressure.

MillerCom® Geocomposite is widely used for road and railway applications. These products provide the ideal combination of functions of separation between the granular base course layer and the soft and possibly saturated subgrade filtration and drainage capability.

MillerCom® Geocomposite allows free water flow, enabling accelerated dissipation of excess pore water pressure. It also prevents the migration (pumping) of fine soil particles from the subgrade into the base course. High strength with the low creep of polyester yarns provides stabilizations of the subgrade and reinforcement of the base course layer.

MillerCom® Geocomposite consists of a combination of a geotextile and a geonet; a geotextile and a geogrid; a geogrid and a geomembrane; or a geotextile, a geogrid, and a geomembrane or any one of these four materials with another material.

MILLER®
GEOSYNTHETICS

FEATURES

- Offers better moisture absorbency and does not leach out easily during installation.
- Mass per unit area of sodium bentonite is evenly distributed and retained for a uniformed low hydraulic conductivity.
- Superior tensile strength and internal shear resistance with long-term chemical biological resistance.
- Prevents stretching and contracting during shipment and installation to ensure continuity and uniformity of the bentonite layer throughout the GCL.
- Structurally stable when installed on slopes and suitable for applications in a hydraulic environment.

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MILLER®
GEOSYNTHETICS

APPLICATIONS

- Paved and Unpaved Roads
- Load transfer platforms over saturated soils Railways
- Parking Lots
- Airport Construction Asphalt Reinforcement

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Miller® Mining Grid (Flexible Safety Protection Mesh)

Miller® Mining Grid is manufactured from high-tenacity polyester and coated with a flame-resistant and antistatic coating covering a wide range of tensile strength, from 30 kN/m to 1200 kN/m. The standard roll size is 5m x 100m, but shorter narrower rolls can supply upon request with high- quality advantages of high tensile modulus and inert chemical characteristics. Mine grids are predominantly used in mining engineering like; longwalls, high walls, and other fireproof structures.

FEATURES

- High Tensile Strength Low elongation / less deformation Resistant to chemical degradation.
- Anti-corrosion
- Flexible and lightweight Fire-resistant and antistatic
- High safety and low labor density
- Simple and convenient installation

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MILLER®
GEOSYNTHETICS

APPLICATIONS

- Longwall Recovery Systems Mine roof/back support
- Rib and wall support Highwall Protection
- Replacement of steel wire mesh
- Prevention of loose rocks and safety protection Tunnel protection and underground civil engineering

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MILLER®
GEOSYNTHETICS

MillerTex® PP Woven Geotextile

MillerTex® PP Woven Geotextile is composed of high- tenacity polypropylene yarns, a woven that retains its relative position. It is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. The PP Woven geotextiles have a ***4% UV stabilizer PolyOne, Normal UV @500 hrs. >95%***. Also, weave provides superior reinforcement strength and soil interaction integrated with high water flow and soil retention capabilities. Permeability separation and reinforcement functions combined in one geotextile for pond capping applications.

FEATURES

- High modulus fabrics, and high tensile strength at low elongation.
- Separation, filtration and reinforcement in one product to install.
- Can be prefabricated to meet exact dimensions. Excellent chemical resistance, even in alkalis soils.

USAGE

- Filtration
- Reinforcement
- Separation

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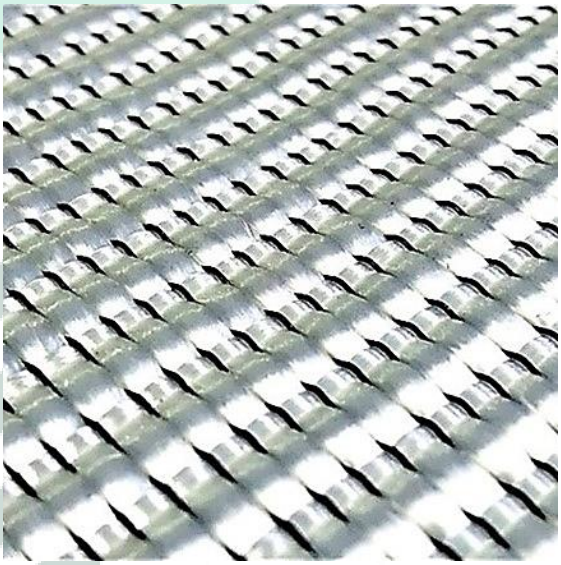
MILLER®
GEOSYNTHETICS

MillerTex® PET Woven Geotextile

MillerTex® PET Woven Geotextile is made of high tenacity and high molecular weight polyester or yarns. Wear- resisting, bursting-resistant and high tensile strength also provide different strengths at low elongation. MillerTex® PET Woven Geotextile, soil stabilization, embankment, reinforced wall and slope, sidewalk paver, coastal and riverbank revetments, landfill separators and capping etc.

FEATURES

- Excellent stress/strain behavior
- High long-term design strength with low creep effects Enables optimum embankment height over a minimum area and steeper side slopes
- Increase in construction speed with no loss of stability Resistance to outward movement of the embankment Long-term properties for performance over the lifetime of the structure
- Long and wide rolls including custom-made sizes to facilitate ease of installation



USAGE

- Reinforcement
- Separation

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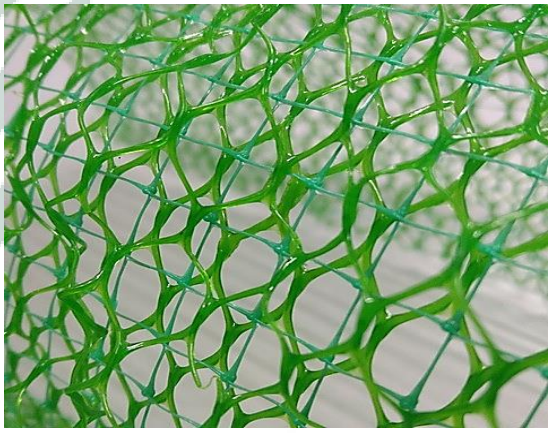
Miller® Geo Mattress

Miller® GeoMattresses are comprised of concrete-filled elements and unfilled areas that allow for the establishment of vegetation. Once the concrete sets, the defined unfilled and interwoven areas are opened by cutting the fabric and are planted or filled with topsoil and seeded. Within the growing season, a vegetated cover will normally extend over the lining, resulting in an erosion control system with hydraulic, ecological, and aesthetic features.

Miller® GeoMattresses are installed to protect periodic high flows. After installation, vegetation can be planted within the open structure of the lining to create a more natural appearance. Miller® GeoMattresses is used in drainage ditches and on the upper slopes of channels, canals, lakes, reservoirs, rivers, and other water courses as well as for embankments subject to heavy run-off.

FEATURES

- Effective solution for flood mitigation projects and erosion protection of riverbanks and channel slopes
- Highly robust and durable mattress system with excellent abrasion and UV resistance
- Enables entrapment of sediments to encourage natural vegetation growth
- Cost-effective and easy to transport and install
- Sand filled mattresses are available in beige and green options.



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MILLER®
GEOSYNTHETICS

MillerTex® Silt Protector

MillerTex® silt protector is a curtain made of high-strength woven geotextile with floats and booms. Hang the curtain in the water with a chain or geo bag anchoring or stabilize the whole silt protection system. The curtain prevents the diffusion of pollution generated by dredging and reclamation works on the sea or rivers. Easy to fabricate and install.

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MILLER®
GEOSYNTHETICS

MillerTube® Composite Geotextile

MillerTube® Composite Geotextile is high-tenacity polypropylene woven with nonwoven geotextile, which is stitched into a network such that the two layers. It is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. The Geotubes have a ***4% UV stabilizer PolyOne, Normal UV @500 hrs. >95%.*** Also, weave to provide superior reinforcement strength and prevent external environmental shocks and damage. Mainly for coastal protection & dewater etc. All products are flexible and customized.

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MILLER®
GEOSYNTHETICS

MillerTube® Geotextile Tube

Miller Tube® Geotextile Tube is manufactured from woven high-tenacity polypropylene multifilament yarns or flat monofilament yarns, which are woven into a stable network such that the yarns retain their relative position. MillerTube® Geotextile Tube is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, acids, etc. The Geotubes have a ***4% UV stabilizer PolyOne, Normal UV @500 hrs. >95%.***

In this way, we can assure high tensile strength, good permeability, high durability and optimal pore size for the best retention property of fine particles. Application in the breakwater, bank protection, dams and dikes, coastal protection, sludge dewatering, sediments, mining residuals, industrial & infrastructural sludge etc.

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MILLER®
GEOSYNTHETICS

PRODUCT PROVIDER

- Geotextiles for Road stabilization, bypass roads, roads across rice fields, farm-market, access for the wind farm, solar, and road widening. Saves time, money and land purchase, rights of way. Uses local soils only, no concrete.
- Erosion Control Blankets (ECB) and Turf Reinforcement Mattresses (TRM) on slopes, banks, creeks, resorts, and golf courses. Prevents topsoil loss, speeds up and retains vegetation.
- Soil Reinforcement using geogrids for mountain roads, embankments, reclamation, landslide and road slip repair, road widening on slopes, and building on soft soils.
- Geotextile Tubes for river flood control and coastal protection, piers, and ports.
- PVC Vinyl sheet piles, to replace steel and concrete sheet piles.
- Dust Control (organic) for dusty roads, F2M roads. Hydroseeding to green up land and slopes.
- Sediment and turbidity control. Gabions and Bastion Gabions.
- WWT and water purification. Solar (land and over water).
- Dredging systems. Rockfall netting.
- Desalination. Biomass.
- Landfills.

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MILLER®
GEOSYNTHETICS

MILLER GEOSYNTHETICS MARKETS

Building Sites Infrastructures

- Commercial
- Industrial
- Landscape & Sport
- Residential

Environmental Infrastructures

- Environmental Dewatering
- Sludge Ponds Remediation
- Solid Waste Landfills

Local Government Infrastructures

- Solid Waste Landfills
- Transportation Infrastructures

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GEOSYNTHETICS

Mining & Energy Infrastructures

- Mining
- Energy

Transportation Infrastructures

- Airport Runways
- Bridges
- Highway & Roads
- Railways

Water Infrastructures

- Dam & Levees
- Coastal Protection
- Inland Waterway Protection
- Ponds & Canals
- Ports & Harbors'

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MILLER®
GEOSYNTHETICS

APPLICATION & SOLUTIONS

- Basal Reinforcement
- Breakwaters
- Dewatering
- Drainage / Filtration
- Dykes
- Erosion Control
- Foundation Consolidation
- Groynes
- Liner Protection
- Lining
- Pavement Rehabilitation
- Pond Capping
- Reinforced Walls and Slopes
- Revetments
- Scour Protection
- Subgrade Stabilization
- Turbidity Control
- Veneer Reinforcement

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MILLER®
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TECHNICAL DATA

MillerGrid® High Strength Polyester Uniaxial Geogrid												
Item		Test Standard	Unit	Technical Data								
Materials				PET With PVC & Bitumen Coating								
Spec				UX30	UX50	UX100	UX200	UX400	UX600	UX800	UX1000	UX1200
Tensile Strength	MD	ASTM D6637	kN/m	60	80	100	150	200	400	600	1000	1200
	CD	ASTM D6637	kN/m	30	30	30	30	50	50	50	100	100
Elongation	MD/CD	ASTM D6637	%	10, 11, 12, 13, 15								
Aperture Size			mm	17x17, 25x25, 30x30, 40x40 or 50x50								
Roll Size			m x m	5.2m x 100m or 200m								

MillerGrid® High Strength Polyester Biaxial Geogrid												
Item		Test Standard	Unit	Technical Data								
Materials				PET With PVC & Bitumen Coating								
Spec				BX 30	BX 50	BX 100	BX 200	BX 400	BX 600	BX 800	BX 1000	BX 1200
Tensile Strength	MD	ASTM D6637	kN/m	30	50	100	200	400	600	800	1000	1200
	CD	ASTM D6637	kN/m	30	50	100	200	400	600	800	1000	1200
Elongation	MD/CD	ASTM D6637	%	10, 11, 12, 13, 15								
Aperture Size			mm	17x17, 25x25, 30x30, 40x40 or 50x50								
Roll Size			m x m	5.2m x 100m or 200m								

MILLER®
GEOSYNTHETICS

MillerTex® High Strength Polyester Woven Geotextile											
Item		Test Standard	Unit	Technical Data							
Materials				PET Woven Geotextile							
Spec				WG 50	WG 100	WG 150	WG 200	WG 400	WG 600	WG 800	WG 1000	WG 1200	WG 1600
Tensile Strength	MD	ASTM D4595	kN/m	50	100	150	200	400	600	800	1000	1200	1600
	CD	ASTM D4595	kN/m	50	50	50	50	50	50	100	100	100	100
Elongation	MD/CD	ASTM D4595	%	10, 11, 12, 13, 15									
Opening Size O_{90}			mm	0.10 - 0.90 or Customized									
Roll Size			m x m	3.5, 4.5, 5.2m x 100m or 200m									

MillerTube® Geotextile Tube for Coastal Protection & Dewater									
Item		Test Standard	Unit	Technical Data					
Materials				Polypropylene with Black or Sand Color					
Spec				HT 70	HT 120	HT 200	HT 250	HT 300	HT 350
Tensile Strength	MD	ASTM D4595	kN/m	70	120	200	250	300	350
	CD	ASTM D4595	kN/m	105	120	200	250	300	350
Elongation	MD/CD	ASTM D4595	%	10, 11, 12, 13, 15					
Opening Size O_{90}			mm	0.05 - 0.90 or Customized					
Length			m	20, 30, 50, 100m					
Circumference			m	5 - 20m					

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MILLER®
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MILLER GEOSYNTHETICS WAREHOUSE

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CONTACT US

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