

EROSION & SEDIMENT CONTROL SYSTEMS

Erosion control, sediment control and vegetation establishment are essential to almost every construction project. Layfield's full line of North American Green erosion and sediment control solutions can help cover your bases.



Canada 1.855.530.4226
USA 1.855.894.7436
www.LayfieldGroup.com



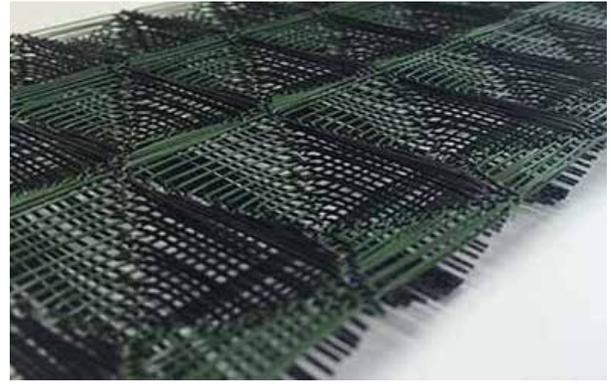
Every site has unique challenges created by soil characteristics, topography, climate and other environmental conditions. The RollMax™ System Rolled Erosion Control Products (RECPs) conquer all your site challenges. Whether you need temporary or permanent protection, short-term or long-term durability, biodegradable or photodegradable solutions, our RollMax RECPs deliver a wide variety of advantages, features and benefits.



VMAX® PERMANENT TURF REINFORCEMENT MATS

North American Green RollMax Systems' permanent Turf Reinforcement Mats (TRMs) are ideal for high-flow channels, stream banks, shorelines and other areas needing permanent vegetation reinforcement and soil stabilization protection from water and wind. More economical and aesthetically pleasing than rock riprap, articulated concrete blocks or poured concrete, North American Green's permanent turf reinforcement mats (TRMs) protect vulnerable areas with minimum maintenance and maximum durability. The VMax® turf reinforcement mats are available with various performance capabilities and support reinforced vegetative lining development from germination to maturity.

North American Green permanent Turf Reinforcement Mats (TRMs) use 100% synthetic components or a composite of synthetic and natural materials for long-term erosion protection and vegetation establishment.



VMAX® HIGH-PERFORMANCE TURF REINFORCEMENT MATS

VMax® High-Performance TRMs (HPTRMs) utilize woven 3-D structures that are soil-filled for use in areas experiencing high stress and strain. The VMax® HPTRMs are designed to provide appropriate thickness and open area for effective erosion and vegetation reinforcement against high flow induced shear forces up to 16psf (0.77 kN/m²), and with one of the highest tensile strengths on the market up to 4,400 lbs/ft (64 kN/m) our HPTRMs are excellent for increased bearing capacity of vegetated soils subjected to heavy loads from maintenance equipment and other vehicular traffic.



BIONET® BIODEGRADABLE EROSION CONTROL BLANKETS

North American Green's BioNet Biodegradable Erosion Control Blankets (ECBs) provide effective andNorth-American-Green-Logo-2c.png all-natural erosion control, soil stabilization, and vegetation establishment in an environmentally and wildlife-friendly manner. Every BioNet erosion control blanket product

is made of organic, biodegradable materials perfect for bioengineering applications, environmentally sensitive sites, shaded areas, stream banks and shorelines.

The ECB creates an excellent micro-climate for the propagation of seeds, while protecting the open soil from direct erosion from rain, wind, and water flow. The ECB is placed after soil preparation and seeding by unrolling over the area and stapling to the ground. Both 6 inch (150 mm) and 8 inch (200 mm) long staples are available from Layfield. Layfield ECBs are typically for short term (12 months) or extended term use (24 months).



Flexible revetment mats provide cost-effective erosion protection from turbulent water flow and moderate wave attack. North American Green® RevetMax™ System is ideal for applications where riprap, articulated concrete blocks or other rigid materials are normally used. When combined with a Turf Reinforcement Mat (TRM) or other underlayment, this unique armoring solution dramatically elevates permissible shear stress and velocity protection.



SHOREMAX® TRANSITION MATS

Flexible, UV-stabilized ShoreMax Transition Mats protect highly erosive areas including shoreline transition zones, channel bottoms and pipe outlets and outfalls. The RevetMax Systems' ShoreMax Mat can also be used for slope drains typically associated with parking lots,

roadways, mines and landfills. The RevetMax System ShoreMax Mat can provide soft armoring on shorelines and spillway applications where wave attack can reach critical stages.

In large-scale channel testing, results showed an unvegetated ShoreMax Mat combined with a VMax® P550® TRM underlayment can withstand flow-induced shear stresses of 8.6 psf (0.40kN/m²) and velocities up to 19.5 fps (5.9m/s). This level of performance exceeds that of a full mature stand of vegetation.



Unprotected topsoil, particularly on slopes and construction sites, is vulnerable to erosion and runoff problems. Significant damage can occur until these areas are ready for permanent erosion control. The SediMax™ System can help prevent such damage and save millions spent on restoring slopes, rebuilding drainage channels and dredging ponds and streams.



WATTLEFENCE

WattleFence™ is the next innovation in sediment control, combining the best features of wattles (a.k.a. logs, SRFRs) and silt fence. Western Green has developed a tool that creates a unique and powerful value proposition for the distributor and contractor working to contain sediment-laden flow on site. The finished product is unique in the high-volume shipping and storage,

biodegradability, and installation. WattleFence™ provides all these advantages while providing similar sediment reduction and turbidity reduction as wattles and silt fence. This innovation has been awarded multiple patents.

FALCON ANCHORS™

For permanent installations utilizing our TRM and HPTRMs, the Falcon Anchors and Pins can be used to create erosion control systems designed to firmly secure and support soils deep into the soil strata. The Falcon Anchors and Pins are an innovative method to reduce erosion, increase soil stability, aiding vegetation establishment, while saving time and labor costs. Check out Falcon Anchors and Pins for additional information.



FALCON ANCHORS™

Falcon Anchors by Western Green provide innovative, cost-effective solutions for erosion control and soil stabilization applications. Falcon Anchors are designed to provide immediate stabilization, requires no crimping, and have improved load-locking capabilities for easy installation. The Falcon Anchors are pre-assembled and are available in different configurations to best meet the specified project requirements and geotechnical conditions. Installing Falcon Anchors offers the performance needed while ensuring considerable time and labor savings.

FALCON PINS™



FALCON PINS™

The Falcon Hex Pins by Western Green are an innovative fastener providing significantly greater pullout resistance than typical straight pins or staples. Available in configurations specialized for different soil types, the Falcon Hex Pins improve pullout performance in soft or sandy soils, as well as compact, cohesive soils. This allows for better tie down of seams, simple simulated check trench construction and replacement of more costly hardware in some instances. The Falcon Hex Pins are installed using a hand drill with either a custom chuck or a standard 1.5" Hex socket. Installing the fasteners is quick and easy. Galvanized for long life, and more durable than hand driven fasteners, Falcon Hex Pins are more reliable and provide greater confidence in blanket or TRM tie down.



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