We’ve Got You Covered

Erosion control, sediment control and vegetation establishment are essential to almost every construction project. A well-planned solution tailored to your site can eliminate costly reconstruction of degraded slopes and shorelines; prevent damage to landscapes, water sources and wildlife; and keep you in compliance with local and federal regulations. The North American Green full line of erosion and sediment control solutions can help cover your bases.

LET’S TALK TURNKEY

North American Green is the world’s leading provider of turnkey, performance-guaranteed erosion control solutions. We can handle any erosion issues, whether your site needs short-term protection or permanent vegetation reinforcement. Our specialty construction products and engineering services ensure cost-effective solutions and exceptional results.

UNMATCHED SERVICE AND SUPPORT

There are many erosion control product manufacturers out there, but none with our emphasis on customer service and technical know-how. Our interdisciplinary support team can assist with project design and product specification. Rather do it yourself? Our Erosion Control Materials Design Software® (ECMDS), the industry’s first design software, allows for self-guided cost-effective material selection and project planning.

SPECIALISTS ARE STANDING BY

North American Green® Erosion Control Systems are sold exclusively through nearly 200 authorized distributors worldwide. Our Erosion Solutions Specialist program certifies our distributors and their sales representatives to design erosion control measures to help you comply with the U.S. Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) and other industry regulations.

North American Green is a proud member of the Erosion Control Technology Council (ECTC) and the International Erosion Control Association (IECA).

Yes, Erosion Control Matters

Construction usually means removing vegetation, altering the landscape and/or covering previously vegetated areas with roads, driveways or buildings. These changes often cause soil erosion and sediment deposits, which can lead to a multitude of problems.

THE ENVIRONMENTAL TOLL

▸ Disrupting the ecosystem can hinder the natural resources on which wildlife depend for survival.
▸ Storm water runoff can increase stream bank erosion and disturb aquatic habitats and lifecycles.
▸ Construction site soils and chemicals can wash into water supplies and compromise water quality for humans and animals.

THE ECONOMIC TOLL

▸ The costs to rebuild degraded slopes and shorelines and dredge sediment-filled waterways reach billions of dollars annually.
▸ The EPA’s NPDES Phase II rule says anyone disturbing one acre or more of U.S. soil must have an NPDES permit and file a Storm Water Pollution Prevention Plan (SWPPP) with local authorities – or face hefty fines.

NOW FOR THE GOOD NEWS: PRACTICE MAKES PERFECT

With so much at stake, erosion control is a high priority. North American Green® Erosion and Sediment Control Systems are recognized as EPA Best Management Practices (BMPs) to help you comply with regulations and protect valuable resources.

From project start to finish, North American Green erosion and sediment control products will keep you protected until vegetation is established.

A well-planned erosion control solution tailored to your site can eliminate costly reconstruction of degraded slopes.

Our full line of products offers a solution for nearly every erosion problem caused by wind and water.

North American Green Erosion Control Systems are recognized as EPA Best Management Practices (BMPs) that help you comply with regulations and protect valuable resources.
You’re on Solid Ground

“Cutting edge” isn’t the first thing that comes to mind when you think of erosion control – but maybe it should be. North American Green has continually advanced erosion control science and developed a full line of high-tech products backed by an industry-leading guarantee.

ALWAYS LOOKING AHEAD

The definition of proactive – acting in advance to deal with an expected difficulty – sums up our research and development philosophy. We conduct ongoing research at major universities and independent labs. We watch and listen to find out what customers need now and what you’ll need next. We invest in innovation and product development to keep you ahead of erosion control issues with the most progressive solutions in the industry.

TESTING 1, 2, 3

To guarantee North American Green Erosion Control Systems perform under actual field conditions, we subject them to rigorous, large-scale, performance tests. We’re so confident in our products, we proudly subject them to independent testing by the National Transportation Product Evaluation Program (NTPEP) of the American Association of State Highway and Transportation Officials (AASHTO). In a recent test, our Reinforcement Mat underlayment pushed channel lining performance to an all-time high. Reinforcement Mat underlayment pushed channel lining performance to an all-time high.

The channel and slope design modules are only two of the design options available in ECMDS Software.

For more than three decades, engineers, designers and contractors looking for reliable erosion control solutions have turned to North American Green first. Not only do we deliver unmatched quality and a rock-solid guarantee, our powerful Erosion Control Materials Design Software® (ECMDS) ensures proper evaluation, design, product selection and project planning.

THE WHOLE NINE YARDS, GUARANTEED

Our Ultimate Assurance Guarantee is the most comprehensive in the industry. If any properly specified and installed North American Green® Rolled or Hydraulic Erosion Control Product designed by a qualified engineer or by one of our technical representatives in accordance with our Erosion Control Materials Design Software (ECMDS®) fails to perform under the conditions in the Guarantee, then we will replace the failed product with our next higher-performance RECP product, along with the cost of seed, fertilizer, topsoil and other amendments lost due to such product failure. Our Guarantee warrants in accordance with its terms and conditions all registered projects designed with the latest version of our ECMDS and properly installed. North American Green Turf Reinforcement Mats are also guaranteed to reinforce vegetation for five years after installation, and the functional longevity of these products’ permanent structures is warranted for a minimum of 10 years after installation, subject to the terms and conditions set forth in the Guarantee.

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DESIGN AND COMPLY

ECMDS is a must-have, especially if you face tough erosion and sediment control regulations. Product design recommendations are based on test data from one or more of these facilities: TRI/Environmental Inc, Texas Transportation Institute, San Diego State University, Utah State University and/or Colorado State University. ECMDS product recommendations are based on time-tested design protocol developed by the USDA and FHWA.

READY WHEN YOU ARE

ECMDS is web-based for easy access from your desktop, laptop, smart phone or notebook. And, best of all, it’s completely free of charge. To learn more and access the software directly, go to www.ECMDS.com.

HOLD YOUR GROUND

We have top-quality solutions for every erosion control need. Our products are rigorously tested and proven effective for a wide range of real-world applications including:

¬ Slopes and embankments
¬ Landfills
¬ Shorelines
¬ Ditches and culvert outfalls
¬ Levees and earthen dams
¬ Channels and spillways
¬ Wetlands
¬ Bioengineering
¬ Golf courses
¬ Residential developments
¬ Military bases

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Erosion Control Systems

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:

- **High-performance protection of topsoil from wind and water erosion**
- **Support quick, healthy vegetation growth**
- **Protect dormant seeds during winter months**
- **Stabilize slope erosion to keep roads safe and clean**
- **Reinforce vegetation roots and stems**
- **Protect water quality in lakes, rivers and streams**
- **Reinforce vegetation roots and stems**
- **Conform to landscape features**
- **Provide easy handling and transport**

**PERMANENT TURF REINFORCEMENT MATS**
The RollMax System of permanent Turf Reinforcement Mats (TRMs) are ideal for high-flow channels, stream banks, shorelines and other areas needing permanent vegetation reinforcement and protection from water and wind. More economical and aesthetically pleasing than rock riprap, articulated concrete blocks or poured concrete, our TRMs protect vulnerable areas with minimum maintenance and maximum durability.

**VMax® TURF REINFORCEMENT MATS**
- **VMax® Permanent Composite TRMs combine three-dimensional matting and fiber matrix material for all-out erosion protection, vegetation establishment and reinforcement. These products increase the permissible shear stress of many types of vegetation up to 14 pounds per square foot (0.67kN/m²) – erosion protection equal to 36 in. (900 mm) rock riprap and concrete. VMax TRMs are available with various performance capabilities and support reinforced vegetative lining development from germination to maturity.**

- **VMax® High-Performance TRMs (HPTRMs) utilize patent-pending 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 16psi (0.77 kN/m²), and with the highest tensile strength on the market up to 5,000 lbs/ft (73 kN/m) our HPTRMs are excellent for increased bearing capacity of vegetated soils subjected to heavy loads from maintenance equipment and other vehicular traffic.**

**EROSION CONTROL BLANKETS**
North American Green Erosion Control Blankets (ECBs) immediately prevent erosion and help establish vegetation. As vegetation takes root and stem systems stabilize the underlying soil, most ECBs gradually degrade. These products come in a range of weights and materials to accommodate low- to high-flow channels and moderate to severe slopes.

- **EroNet™ Short-Term Photodegradable ECBs** are designed for moderate slopes and low-flow channels. Made of 100% agricultural straw stitched with biodegradable thread to 100% biodegradable jute fiber netting. Available in single- or double-net varieties, they protect for up to 12 months and leave no synthetic residues.
- **BioNet™ Extended-Term and Long-Term Biodegradable ECBs** incorporate coconut fiber stitched with biodegradable thread between biodegradable jute fiber top and bottom nets. Great for steep slopes, medium to high-flow channels and shorelines, they provide erosion protection and vegetation establishment for 18 to 24 months.
- **EroNet™ Extended-Term, Long-Term and permanent ECBs** come in short-term varieties to protect and mulch soil surfaces from 45 days to 12 months.
- **BioNet™ Extended-Term, Long-Term and permanent ECBs** use heavy-duty double-netting and long-lasting coconut or permanent polypropylene fiber for protection and vegetation support for up to 36 months or longer. These products are available for extended- and long-term stabilization of steep slopes, medium- to high-flow channels and shorelines.

- **RolloNet® Photodegradable ECBs**
  - **RolloNet® Short-Term Photodegradable ECBs** are appropriate for bioengineering projects, environmentally sensitive sites, shaded areas, stream banks and shorelines. They’re made of 100% agricultural straw stitched with biodegradable thread to remain intact for up to 12 months and leave no synthetic residues.
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## RollMax Product Selection Chart

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Longevity</th>
<th>Applications</th>
<th>Design Permissible Shear Stress lbs/ft² (Pa)</th>
<th>Design Permissible Velocity ft/s (m/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ERONET</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS75</td>
<td>1.5 lb., accelerated photodegradable polypropylene top net, 100% straw fiber matrix</td>
<td>45 days</td>
<td>Low Flow Channels</td>
<td>4:1 - 2:1 Slopes</td>
</tr>
<tr>
<td>DS150</td>
<td>1.5 lb., photodegradable polypropylene top &amp; bottom net, 100% straw fiber matrix</td>
<td>60 days</td>
<td>Moderate Flow Channels</td>
<td>3:1 - 2:1 Slopes</td>
</tr>
<tr>
<td>S75</td>
<td>1.5 lb., photodegradable polypropylene top net, 100% straw fiber matrix</td>
<td>12 months</td>
<td>Low Flow Channels</td>
<td>4:1 - 2:1 Slopes</td>
</tr>
<tr>
<td>S150</td>
<td>1.5 lb., photodegradable polypropylene top &amp; bottom net, 100% straw fiber matrix</td>
<td>12 months</td>
<td>Moderate Flow Channels</td>
<td>3:1 - 2:1 Slopes</td>
</tr>
<tr>
<td>SC150</td>
<td>2.9 lb., UV-stable polypropylene top net, 70% straw/30% coconut fiber matrix, 1.5 lb., photodegradable polypropylene bottom net</td>
<td>24 months</td>
<td>Medium Flow Channels</td>
<td>2:1 - 1:1 Slopes</td>
</tr>
<tr>
<td>C125</td>
<td>2.9 lb., UV-stable polypropylene top &amp; bottom nets, 100% coconut fiber matrix</td>
<td>36 months</td>
<td>High Flow Channels</td>
<td>1:1 and Greater Slopes</td>
</tr>
<tr>
<td><strong>BIONET</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S75BN</td>
<td>9.3 lb., leno woven biodegradable jute top net, 100% straw fiber matrix</td>
<td>12 months</td>
<td>Low Flow Channels</td>
<td>4:1 - 2:1 Slopes</td>
</tr>
<tr>
<td>S150BN</td>
<td>9.3 lb., leno woven biodegradable jute top net, 100% straw fiber matrix, 7.7 lb., woven biodegradable jute bottom net</td>
<td>12 months</td>
<td>Moderate Flow Channels</td>
<td>3:1 - 2:1 Slopes</td>
</tr>
<tr>
<td>SC150BN</td>
<td>9.3 lb., leno woven biodegradable jute top net, 70% straw/30% coconut fiber matrix, 7.7 lb., woven biodegradable jute bottom net</td>
<td>18 months</td>
<td>High Flow Channels</td>
<td>2:1 - 1:1 Slopes</td>
</tr>
<tr>
<td><strong>VMAX</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P300</td>
<td>5.0 lb., UV-stable polypropylene top net, 100% polypropylene fiber matrix, 3.0 lb., UV-stable polypropylene bottom net</td>
<td>Permanent</td>
<td>High Flow Channels</td>
<td>1:1 Slopes</td>
</tr>
<tr>
<td>VMAX</td>
<td>5.0 lb., UV-stable polypropylene top &amp; bottom nets, 24.0 lb., UV-stable polypropylene corrugated center net, 100% coconut fiber matrix</td>
<td>Permanent</td>
<td>High Flow Channels</td>
<td>1:1 and Greater Slopes</td>
</tr>
<tr>
<td>SC150</td>
<td>8.0 lb., UV-stable polypropylene top &amp; bottom nets, 24.0 lb., UV-stable polypropylene corrugated center net, 100% coconut fiber matrix</td>
<td>Permanent</td>
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<tr>
<td>C350</td>
<td>8.0 lb., UV-stable polypropylene top &amp; bottom nets, 24.0 lb., UV-stable polypropylene corrugated center net, 100% coconut fiber matrix</td>
<td>Permanent</td>
<td>High Flow Channels</td>
<td>1:1 and Greater Slopes</td>
</tr>
<tr>
<td>P550</td>
<td>24.0 lb., UV-stable polypropylene top &amp; bottom nets, 24.0 lb., UV-stable polypropylene corrugated center net, 100% polypropylene fiber matrix</td>
<td>Permanent</td>
<td>Extreme High Flow Channels</td>
<td>1:1 Slopes</td>
</tr>
<tr>
<td>TMax</td>
<td>100% UV-stable polypropylene monofilament yarns, woven into a 3-D structure</td>
<td>Permanent</td>
<td>Extreme High Flow Channels</td>
<td>1:1 and Greater Slopes</td>
</tr>
<tr>
<td>W3000</td>
<td>100% UV-stable polypropylene monofilament yarns, woven into a 3-D structure</td>
<td>Permanent</td>
<td>Extreme High Flow Channels</td>
<td>1:1 and Greater Slopes</td>
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</table>
Hydraulic Erosion Control Products (HECPs) prevent erosion and aid vegetation establishment on slopes. The North American Green® HydraMax™ System enables the application of seed, soil amendments and hydraulic mulch in one step, offering a low-cost, low-labor solution. All HydraMax System products are made with our patented blend of straw, reclaimed cotton plant material and tackifiers to ease application, enhance adhesion, retain moisture and stabilize soil. HydraMax™ HECPs also:

- Consist of a porous matrix with strong soil adhesion that forms vegetation establishment and erosion control medium
- Reduce expensive site preparation
- Can be installed three times faster than erosion control blankets with % of the labor costs
- Come in easy-to-break bales for fast mixing
- Have low water-to-mulch ratios that increase productivity by requiring fewer tank loads per site
- Grow grass quickly with increased germination and biomass production over bare soil
- Are non-toxic per EPA guidelines
- Contain only biodegradable, non-synthetic fibers
- Help you comply with Environmental Protection Agency (EPA) effluent guidelines without treating water with flocculants or advanced water treatment systems
- Help you earn points toward Leadership in Energy and Environmental Design (LEED) Green Building Rating System project certification goals

**HIGH-PERFORMANCE HECPs**
Our high-performance HECPs are effective on construction site slopes with gradients of 1:1 (H:V) or steeper.

- North American Green® HydraCX® Extreme Slope Matrix is used for long-length, steep to severe slope gradients of 3:1 to 0.5:1. It is our highest performing hydraulic mulch and has an unprecedented 100% soil protection in American Association of State Highway and Transportation Officials (AASHTO)-National Transportation Product Evaluation Program (NTPEP) testing. A comprehensive loading chart also ensures the correct amount of material for application on your site.

- North American Green® HydraCM® Steep Slope Matrix scored 99.7% effective in reducing soil erosion when tested by AASHTO’s NTPEP. Designed for medium-length, moderate to steep slope gradients of 4:1 to 1:1.

**STANDARD PERFORMANCE HECPs**
HydraMax standard HECPs for mild to moderate slopes are excellent alternatives to wood and/or paper mulch and blown straw, which may take two steps to apply.

- North American Green® HydraGT® Moderate Slope Mulch Blend with Tack is ideal for short slopes with up to 2:1 gradients.

- North American Green® HydraGS® Mild Slope Mulch Blend works best on short slopes with up to 3:1 gradients.

**READY, AIM, INSTALL**
Our instruction guide for applying HydraMax™ System products details substrate and seedbed preparation, installation, mixing, product application, equipment cleaning and protection recommendations. A comprehensive loading chart specifies the correct amount of material for application on your site.

**Typical Application Rates**

<table>
<thead>
<tr>
<th>Slope Conditions Rate (English)</th>
<th>Rate (Metric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥3H:1V and &lt;2H:1V 2,000 lbs/acre 2,250 kg/ha</td>
<td></td>
</tr>
<tr>
<td>≥4H:1V ≤3:1 2,500 lbs/acre (2,800 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>≥2H:1V and &lt;1H:1V 3,000 lbs/acre (3,400 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>≥1H:1V 3,500 lbs/acre (4,000 kg/ha)</td>
<td></td>
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<tr>
<td>≤4:1 1,500 lbs/acre 1,700 kg/ha</td>
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<td>&gt;4:1 ≤3:1 2,500 lbs/acre (2,800 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>&gt;6:1 3,000 lbs/acre (3,400 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>≥3H:1V and &lt;2H:1V 2,000 lbs/acre 2,250 kg/ha</td>
<td></td>
</tr>
<tr>
<td>≥4H:1V ≤3:1 2,500 lbs/acre (2,800 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>≥2H:1V and &lt;1H:1V 3,000 lbs/acre (3,400 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>≥1H:1V 3,500 lbs/acre (4,000 kg/ha)</td>
<td></td>
</tr>
<tr>
<td>≤4:1 1,500 lbs/acre 1,700 kg/ha</td>
<td></td>
</tr>
</tbody>
</table>

**Alabama Department of Transportation**

During a highway widening construction project on Interstate I-65, the Alabama DOT needed to protect many newly graded slopes from erosion. The HydraMax System HydraCX Extreme Slope Matrix was chosen for the steep slopes. Vegetation started germinating within a week of application resulting in unprecedented vegetation that even had motorists complimenting ALDOT.

The new site of the school’s practice football field had to be completed and fully vegetated before football season in five months. To prevent soil erosion and establish vegetation quickly, the design team applied our HydraCM Steep Slope Matrix HECP. Despite heavy rains two days later, the field showed no signs of erosion or rilling and vegetation grew within days. The field could be mowed just two weeks after application.
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 arming solution dramatically elevates permissible shear stress and velocity protection. The RevetMax System products:

- Install easily over difficult topography and are highly flexible
- Prevent floating or uplifting in submerged conditions due to their non-buoyancy
- Feature grip lugs that bite into underlying surfaces to prevent shifting
- Facilitate vegetation growth through voids in the mat
- Require no heavy equipment for installation
- Easily maintained
- Safer for pedestrian and vehicle traffic than hard armor materials

**SHOREMAX® TRANSITION MATS**

Flexible, UV-stabilized RevetMax System® ShoreMax® Transition Mats protect highly erosive areas such as shoreline transition zones, channel bottoms and pipe outlets and outfalls. Our ShoreMax Mat can be used for slope drains in parking lots, roadways, mines and landfills. The RevetMax System ShoreMax Mat can provide soft arming on shorelines and spillway applications where wave attack can reach critical stages.

ShoreMax is the industry’s first scour protection mat to post unvegetated performance values in American Association of State Highway and Transportation Officials (AASHTO)-National Transportation Product Evaluation Program (NTPEP) 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 pounds per square foot (0.40kN/m²) and velocities up to 19.5 ft per second (5.9m/s). This level of performance exceeds that of a full mature stand of vegetation.

**SIMPLE TO INSTALL**

Installation of the ShoreMax mat can be done simply and without the need for expensive equipment. The ShoreMax mat and TRM underlayment are simply installed over a prepared seeded soil and fastened into place with fasteners. The flexibility of the ShoreMax mats allows them to be easily installed with a variety of fasteners such as the ShoreMax stake, wire staples, rebar staples, and percussion earth anchors. Since the ShoreMax mat easily self-conforms to the underlying terrain, fasteners are not required to force conformance with the underlayment materials – they only serve to hold the panels in place. Therefore, special percussion earth anchors are typically not required. They type and size of the fastener used is dependent upon the underlying soil and degree of compaction.

For details on fastener selection, stapling patterns, and installation details refer to the RevetMax Installation guide. For site-specific recommendation use the Erosion Control Materials Design Software (ECMDS) for help in selection a RevetMax System and fastening details. Visit [www.ECMDS.com](http://www.ECMDS.com) for more information.

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**Recreational Lake, Tampa, Florida**

The wind and waves from boats and other marine vehicles took a toll on the shorelines of a recreational lake. To combat further erosion, the ShoreMax Transition Mat was installed over high-tensile strength TRMs. Together, they protected the shore and offered low maintenance, easy entry for pedestrians and safe small boat launches.

**Dry Creek, Healdsburg, California**

Storm water runoff from an old sand and gravel pond threatened Dry Creek, a spawning area for steelhead trout and Coho salmon. Typically, a shelf would be built 40 ft (12 m) above the water, and 24-30 in. (600-800 mm) riprap installed to reduce storm water impact. Officials, concerned the rock could be undermined and end up in the creek, decided to find another solution. After the ground was graded, seeded and covered with North American Green® BioNet® C125™ Erosion Control Blanket (ECB), our ShoreMax Transition Mat was placed on top. Within four months, vegetation had grown in and there was no displacement, despite above normal rainfall.

**The RevetMax System ShoreMax Transition Mat is a smart option to replace rock in high scour areas such as pipe outlets.**

**The RevetMax ShoreMax Transition Mat helps vegetation growth through voids in the mat.**

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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.

**SEDIMAX-FR™ FILTRATION ROLLS**
North American Green® Sedimax-Fr™ (Filtration Rolls) create a temporary, three-dimensional sediment filtration structure perfect for forest fire rehabilitation, bioengineering projects, construction sites, ski slopes, wetland mitigation and other applications where storm water runoff is a concern. The 100% biodegradable product is made with a 70% straw and 30% coconut-fiber matrix reinforced with biodegradable netting, rolled edge to edge. Other important benefits include:

- Up to 98% effective at reducing sediment migration
- 100% biodegradable
- Assists with environmental regulation compliance
- Helps earn points toward Leadership in Energy and Environmental Design® (LEED) Green Building Rating System™ project certification goals

**SEDIMAX-SW™ STRAW WATTLES**
North American Green® Sedimax-Sw™ (Straw Wattles) are economical alternatives to silt fence and straw bales for sediment control and storm water runoff. They can be staked along the contour of newly constructed or disturbed slopes, wrapped around storm drain inlets and used as check dams on slopes and in swales and grass waterways. Straw wattles are recycled, compressed, agricultural straw cylinders wrapped in photodegradable synthetic netting.

**INSTALLATION: ON A ROLL**
Our Sedimax System products are a snap to install. Sedimax-FR are positioned, rolled out, re-rolled from edge to edge, and secured with wooden stakes; Sedimax-SW are laid out, staked and can be used individually or tied together to achieve any length.

Choosing the right solution is half the battle against costly erosion. The other half is proper installation, we provide all the tools and instructions you need for quick, effective RECP installation tailored to your site.

- North American Green® Earth Anchors™ increase the veneer’s mechanical strength by reaching deep into the soil strata for enhanced anchoring in the worst conditions. Earth Anchors can be used to permanently secure Vmax™ Turf Reinforcement Mats or Revetmax™ Flexible Revetment System products.
- Our fastener options include wire staples, the PinPounder installation tool, rebar stakes, Shoremax® high-impact plastic stakes, environmentally friendly North American Green® BioSTAKES® and our wooden EcoSTAKES®

Proper staple patterns must be used to achieve optimal results in RECP installation. We recommend the following general stapling patterns as guidance for use with our RECPs as seen in the illustration below (Figure 1). Site specific staple pattern recommendations based on soil type and severity of application may be acquired through North American Green® Erosion Control Materials Design Software (ECMDS). Consult the full system of Installation Guides for complete installation instructions.

**EXPERIENCE YOU CAN RELY ON**
North American Green is the industry leader in providing comprehensive erosion and sediment control and turf reinforcement solutions. Our integrated systems and products were developed to ensure absolute customer satisfaction. Our products are backed by the most thorough quality assurance practices in the industry. And, we provide comprehensive design assistance for all of our systems.

For more information about North American Green Erosion Control Systems, visit nagreen.com, e-mail customerservice-nag@nagreen.com or call 800-772-2040. We are happy to assist you in developing solutions for all of your erosion and sediment control and turf reinforcement projects.

**FIGURE 1**

![Diagram of Staple Patterns](Diagram.png)

**INSTALLATION MADE EASY**

After a forest fire in Wenatchee National Forest, the Sedimax System Sedimax-FR was used to trap vitri, very soil while allowing water to pass through, greatly reducing soil migration into waterways.

**SEDIMAX™ SEDIMENT RETENTION**

**Unprotected topsoil, particularly on slopes and construction sites, is vulnerable to erosion and runoff problems.**

**Sedimentary systems and processes were developed to ensure absolute customer satisfaction.**

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**FIGURE 1**

![Diagram of Staple Patterns](Diagram.png)

**TABLE OF STAPLE PATTERNS**

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1.2 staples per sq yd</td>
</tr>
<tr>
<td>B</td>
<td>0.7 staples per sq yd</td>
</tr>
<tr>
<td>C</td>
<td>3.4 staples per sq yd</td>
</tr>
<tr>
<td>D</td>
<td>3.3 staples per sq yd</td>
</tr>
<tr>
<td>E</td>
<td>1.6 staples per sq yd</td>
</tr>
</tbody>
</table>

**NOTES:**
Use ECMDS for more accurate staple pattern selection.

The information presented herein is general design information only. For specific applications, consult the provided information bulletin designations.

**FIGURE 1**

![Diagram of Staple Patterns](Diagram.png)