



Helping you reach your  
**LEED Green Building Rating System®**  
project certification goals



# **NORTH AMERICAN GREEN:** Leading the Industry in Soft Armor Erosion/Sediment Control and Vegetation Establishment Solutions Since 1985

North American Green is a member of the U. S. Green Building Council (USGBC®) and proudly supports the green building initiative. We manufacture and distribute a full line of performance-guaranteed rolled erosion control products (RECPs) that can be utilized in new construction and existing building development projects - greenfield and brownfield alike - to help you reach your LEED Green Building Rating System® project certification goals.

North American Green RECPs are divided into three main categories: erosion control blankets, turf reinforcement mats and biodegradable sediment control systems.

## **Erosion Control Blankets**

### **Short-Term Degradable**

North American Green's short-term photodegradable and biodegradable erosion control blankets are designed to provide erosion protection and assist with vegetation establishment for 45 days up to 12 months, depending on the type of product, in applications such as moderately sloping areas and channels with low levels of water flow.

### **Extended-Term & Long-Term Degradable**

North American Green's extended-term and long-term photodegradable and biodegradable erosion control blankets are designed to provide erosion protection and assist with vegetation establishment for 18 months up to 36 months, depending on the type of product, in applications such as steep slopes, channels with substantial water flow and along shorelines.

## **Turf Reinforcement Mats**

North American Green's permanent turf reinforcement mats provide permanent erosion protection, assist with vegetation establishment from the moment they are installed, and permanently reinforce the root and stem structures of vegetation.

Using turf reinforcement mats enables vegetation to be used in areas where the forces exerted by water and/or wind exceed the limits of unreinforced vegetation. Typical applications include replacing rock, articulated concrete blocks and concrete in high-flow channels or streambanks.

## **Biodegradable Sediment Control Systems**

North American Green's SedimentSTOP® biodegradable sediment filtration system reduces soil loss caused by stormwater runoff, traps soil particles while allowing water to pass through, and protects waterways, sidewalks and roads from sediment accumulation.



**Utilizing performance-guaranteed North American Green rolled erosion control products can help you earn credits towards your LEED Green Building Rating System project certification goals in the following areas:**

### **NEW CONSTRUCTION**

#### **Sustainable Sites Prerequisite 1: Construction Activity Pollution Prevention**

*Required*

#### **Credit Intent**

Reduce pollution from construction activities by controlling soil erosion, waterway sedimentation and airborne dust generation.

#### **North American Green Solution**

North American Green RECPs reinforce the root and stem structures of vegetation on steep slopes and other areas where sheet flow from stormwater exceeds the holding power of existing vegetation, effectively controlling soil erosion and waterway sedimentation to reduce pollution from construction activities.

North American Green's SedimentSTOP® Biodegradable Filtration System is a temporary sediment filtration device that provides highly effective sediment control. SedimentSTOP reduces soil loss caused by stormwater runoff and traps soil particles while allowing water to pass through, protecting waterways, sidewalks and roads from sediment accumulation.

To assist with site sediment and erosion control plan development during the design phase of a project, engineers, contractors and others can rely on North American Green's Erosion Control Materials Design Software (ECMDS®). ECMDS incorporates design values for all 15 rolled erosion control products (RECPs) manufactured by North American Green, as well as vegetation and various sizes of rock riprap.

### **EXISTING BUILDINGS**

#### **Sustainable Sites Prerequisite 1: Construction Activity Pollution Prevention**

*Required*



**NEW CONSTRUCTION**

**Sustainable Sites Credit 5.1:  
Site Development: Protect or Restore Habitat**

*1 Point*

**Credit Intent**

Conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.

**North American Green Solution**

North American Green RECPs assist in vegetation establishment and turf reinforcement for both restoring previously degraded greenfield sites to their natural state and re-introducing native or adapted plant materials in previously developed sites. North American Green's BioNet® 100% biodegradable erosion control blankets provide effective and all-natural erosion control and vegetation establishment in an environmentally and wildlife friendly manner.

In addition, North American Green RECPs can be effectively used to stabilize steeper slopes. This allows expanded building location options and enables a minimal building footprint design to minimize site disruption.

**NEW CONSTRUCTION**

**Sustainable Sites Credit 5.2:  
Site Development: Maximize Open Space**

*1 Point*

**Credit Intent**

Provide a high ratio of open space to development footprint to promote biodiversity.

**NEW CONSTRUCTION**

**Sustainable Sites Credit 6.1:  
Stormwater Design: Quantity Control**

*1 Point*

**EXISTING BUILDINGS**

**Sustainable Sites Credits 5.1 & 5.2:  
Stormwater Management: Rate and Quantity  
Reduction**

*1 – 2 Possible Points*

**Credit Intent**

Limit disruption and pollution of natural water flows by managing stormwater runoff.

**North American Green Solution**

North American Green RECPs promote vegetation growth and development to enable the use of alternative surfaces such as vegetated roofs, and nonstructural techniques. They enable the use of vegetation in place of impervious hard armor such as rock and concrete to reduce pollutant loadings. In addition, the SedimentSTOP Biodegradable Filtration System can be used to reduce soil loss caused by stormwater runoff.

North American Green RECPs enable the integration of constructed wetlands, vegetated filter strips, open channels, or other natural and mechanical systems to treat stormwater runoff into a site's overall design.

**NEW CONSTRUCTION**

**Sustainable Sites Credit 6.2:  
Stormwater Design: Quality Control**

*1 Point*

**Credit Intent**

Limit disruption of natural water hydrology by reducing impervious cover; increasing on-site infiltration, reducing or eliminating pollution from stormwater runoff, and eliminating contaminants.

**NEW CONSTRUCTION**

**Sustainable Sites Credit 7.2:  
Heat Island Effect: Roof**

*1 Point*

**Credit Intent**

Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.

**North American Green Solution**

North American Green RECPs effectively assist in vegetation establishment and reinforcement to enable vegetated roofs to be used in place of constructed surfaces to reduce heat absorption.

**EXISTING BUILDINGS**

**Sustainable Sites Credit 6.2:  
Heat Island Reduction: Roof**

*1 Point*



## NEW CONSTRUCTION

### Materials & Resources Credit 5.1:

**Regional Materials** (10% extracted, processed & manufactured regionally)

1 Point

## NEW CONSTRUCTION

### Materials & Resources Credit 5.2:

**Regional Materials** (20% extracted, processed & manufactured regionally)

1 Point in Addition to MR Credit 5.1

#### Credit Intent

Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

#### North American Green Solution

The final products of all North American Green RECPs are manufactured in Evansville, Indiana. The majority of materials that North American Green purchases to produce final products are manufactured, harvested or extracted within a 500-mile radius of Evansville, Indiana.

## EXISTING BUILDINGS

### Materials and Resources Credits 2.1 – 2.5: Optimize Use of Alternative Materials

1 – 5 Possible Points

#### Credit Intent

Reduce the environmental impacts of the materials acquired for use in the operations, maintenance, and upgrades of buildings.

## EXISTING BUILDINGS

### Sustainable Sites Credit 4.1:

**Reduced Site Disturbance: Protect or Restore Open Space** (Covering a minimum of 50% of the site area excluding the building footprint)

1 Point

#### Credit Intent

Conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.

#### North American Green Solution

To coordinate with activities, technologies and strategies implemented under Existing Buildings Sustainable Sites Credit 1.1 and 1.2: Plan for Green Site and Building Exterior Management, North American Green's Erosion Control Materials Design Software (ECMDS®) can be used to assist with site sediment and erosion control plan development during the design phase of a project. ECMDS incorporates design values for all 15 rolled erosion control products (RECPs) manufactured by North American Green, as well as vegetation and various sizes of rock riprap.

North American Green RECPs assist in vegetation establishment and turf reinforcement for both restoring previously degraded greenfield sites to their natural state and re-introducing native or adapted plant materials in previously developed sites. In addition, North American Green RECPs can be effectively used to stabilize steeper slopes. This allows expanded building location options and enables a minimal building footprint design to minimize site disruption

## EXISTING BUILDINGS

### Sustainable Sites Credit 4.2:

**Reduced Site Disturbance: Protect or Restore Open Space** (Covering a minimum of 75% of the site area excluding the building footprint)

1 Point in Addition to SS Credit 4.1

**To begin earning more points towards your LEED Green Building Rating System project certification goals TOMORROW, contact NORTH AMERICAN GREEN or your authorized NORTH AMERICAN GREEN distributor TODAY!**

For a copy of the full LEED-NC Green Building Rating System visit [www.usgbc.org/leed/nc](http://www.usgbc.org/leed/nc) or email [leed-nc@usgbc.org](mailto:leed-nc@usgbc.org).

For a copy of the full LEED-EB Green Building Rating System visit [www.usgbc.org/leed/eb](http://www.usgbc.org/leed/eb) or email [leed-eb@usgbc.org](mailto:leed-eb@usgbc.org).



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We are a proud participant in AASHTO's National Transportation Product Evaluation Program for RECPs.