



EROSION CONTROL Products
Guaranteed **SOLUTIONS**

North American Green

Your Provider of Guaranteed Erosion & Sediment Control Solutions



Solutions for:
SEDIMENT CONTROL

ROADSIDE PROTECTION
ROANOKE, VIRGINIA

FOREST FIRE REHABILITATION
CHELAN, WASHINGTON

RESIDENTIAL CONSTRUCTION SITE
FLORIDA



We have proven solutions for your sediment control problems.

Active construction jobsites, forest fire rehabilitation and roadside projects, all present unique sediment control challenges. Considerations range from protecting construction perimeters, slowing stormwater runoff and sediment migration, to environmental impacts and budgets.

Regardless of what sediment control problems and other considerations are included in your project, you can be sure North American Green has solved them – and we can do the same for you.

MUCH MORE THAN PRODUCTS

Other sediment control products like silt fence may offer options, but they come at certain costs. That's why project designers prefer the aesthetics and safety offered by biodegradable sediment control devices – particularly SedimentSTOP from North American Green, the leading supplier of erosion and sediment control solutions in the world. SedimentSTOP dramatically reduces surface sheet erosion and offers greater filtration capacity and sediment retention than wattles, straw bales and silt fences.

Our full line of products is tested, proven and backed by our more than 250 Erosion Solutions Specialists at over 150 authorized distributor locations worldwide. Each North American Green certified Erosion Solutions Specialist has gone through extensive technical training to offer you reliable erosion and sediment control recommendations and unparalleled customer service.

WHATEVER THE SITUATION, WE HAVE A SOLUTION

Our Erosion Solutions Specialists can determine the best product or combination of products to solve your sediment control problems and keep your project in compliance with the National Pollutant Discharge Elimination System (NPDES) regulations.

Whether your project is simple or demanding, requiring erosion control, sediment control or both, count on North American Green. We can solve it.

FULL LINE OF
EROSION &
SEDIMENT CONTROL
PRODUCTS

INTERDISCIPLINARY
TECHNICAL
SUPPORT STAFF

LOCAL PRODUCT
AVAILABILITY ON A
WORLDWIDE
BASIS

Erosion & Sediment Control Solutions

CERTIFIED
EROSION SOLUTIONS
SPECIALISTS

PROMPT
CUSTOMER RESPONSE
& ASSISTANCE

DESIGN SOFTWARE
ECMDS

ROADSIDE PROTECTION ROANOKE, VIRGINIA



SedimentSTOP®/C350® & S150®

Environmentally Friendly, Aesthetically Appealing Roadside Protection

PROBLEM: Heavy sediment loads from an unprotected slope adjacent to a channel in Roanoke, Virginia, created a potential hazard to nearby waterways. When large amounts of rainfall were expected during the 2006 tropical storm season, protection was needed to prevent extensive sediment migration away from the construction site. North American Green Erosion Solutions Specialists recommended SedimentSTOP as an environmentally friendly solution and a safe alternative to rock rip-rap check dams along the roadside.

SOLUTION: The completely biodegradable SedimentSTOP provided effective filtration of sediment from the unprotected slopes. It also acted as an energy dissipater to slow water velocities in the channels. North American Green's Vmax3® C350 composite turf reinforcement mat (C-TRM) and S150®, a double net straw erosion control blanket, were used in conjunction with SedimentSTOP to protect the channels from erosion while providing additional filtration for runoff water by facilitating infiltration and sediment entrapment.

RESULT: Four days after installation, the area received 2 inches of rainfall. Only two months later, with 80% vegetation cover, the site received 11 inches of rain within a three-day period. During these rainfall events, SedimentSTOP successfully filtered and dissipated the runoff water; while the combination of C350 and S150 rolled erosion control products provided effective channel protection and aided in vegetation establishment. As opposed to other sediment control devices such as silt fence and straw wattles which dam-up water and are prone to overtopping and washouts, SedimentSTOP allowed runoff water to flow through while filtering and capturing sediments. Additionally, unlike straw bales and wattles, SedimentSTOP's length can be customized to fit the project – creating a seamless sediment control structure.

FOREST FIRE REHABILITATION WENATCHEE NATIONAL FOREST NEAR CHELAN, WASHINGTON



SedimentSTOP®

Effective Solutions for Forest Fire Rehabilitation & Wildfire Recovery

PROBLEM: Forest fires near Chelan, Washington, stripped the landscape and left behind highly erodible, silty, ashy soils in Wenatchee National Forest. Increased runoff from the steep mountainous slopes, due to reduced vegetation, threatened water quality in some of the most valued pristine mountain waterways in the country. Limited access to the steep slopes restricted the use of large equipment needed to regrade and prepare a seed bed, and the large rocky acreage made covering the entire slope with erosion control materials impractical. North American Green Erosion Solutions Specialists recommended SedimentSTOP as a biodegradable alternative for steep slope protection and sediment control.

SOLUTION: SedimentSTOP effectively trapped the silty, ashy, soil particles while allowing water to pass through, greatly reducing soil migration into local waterways. Unlike straw wattles, SedimentSTOP's attached 1 foot-wide splash apron on the downslope side of its filtration structure helped to eliminate rill formation due to water overtopping the roll during heavy runoff. SedimentSTOP is lightweight and easily transported over difficult terrain, and since it requires no heavy equipment to install, it was a viable solution on the steep mountainous slopes. SedimentSTOP is completely biodegradable and its length and diameter can be customized on-site to provide a continuous structure that eliminates exposed seams. Additionally, SedimentSTOP will last two to three years providing sediment control until vegetation becomes well established.

RESULT: Where fires ravaged through Wenatchee National Forest, SedimentSTOP offered a cost-effective solution to help stabilize steep slopes and minimize sediment migration downslope, preventing degradation of waterways and aquatic life. Compared to straw and coconut wattles, SedimentSTOP's unique multi-net reinforced layers prevent failures even if the outer netting layer becomes damaged. In recent years, SedimentSTOP has been used successfully on numerous wildfire recovery events and fire rehabilitation efforts throughout the western United States.

ACTIVE CONSTRUCTION SITES
RESIDENTIAL HOUSING CONSTRUCTION SITE,
FLORIDA



Sediment
STOP



SedimentSTOP®

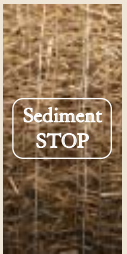
PROBLEM: During a residential construction project in Florida, sediment and other non-point source pollutants were being deposited in unwanted areas such as roadways, sidewalks, storm drains and sewers. This resulted in the loss of valuable site topsoil, extensive stormwater pollution, added cleanup expenses and potential safety hazards. Without an effective sediment control solution, the developer would be subject to damaging litigation and expensive fines for non-compliance with NPDES regulations. North American Green Erosion Solutions Specialists recommended SedimentSTOP on the active construction site for edging and perimeter sediment control.

SOLUTION: Unlike other sediment filtration devices that can cause water backup and divert water flow and sediment into other unwanted areas, SedimentSTOP allowed water to pass through its structure while filtering out sediment and other pollutants. SedimentSTOP also provided effective sediment control for inlets and outlets as well as along jobsite perimeters. Because SedimentSTOP is designed to not obstruct the use of equipment on the site, it can be used in a variety of areas, unlike silt fence which may be damaged by vehicular traffic.

RESULT: SedimentSTOP successfully controlled sediment migration on the residential construction site. SedimentSTOP's rolled structure provided the filtration needed to keep sediment on-site until construction was finished and vegetation was established. Because SedimentSTOP allows water to flow through, it reduces erosion by slowing water and minimizes overtopping. SedimentSTOP offers a customizable solution that can be modified to the project's exact needs.

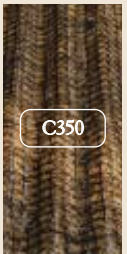
Product Highlights

SedimentSTOP®, C350, S150



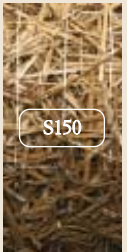
Sediment
STOP

- SedimentSTOP Biodegradable Filtration System consists of a 70% straw/30% coconut fiber matrix reinforced with a 100% biodegradable netting.
- Minimizes sediment migration by up to 98%.
- Leno-woven natural organic netting for optimum flexibility, conformance to the soil surface and prevention of undermining.



C350

- Permanent Turf Reinforcement Mat consists of high-strength 3D matting with a 100% coconut fiber matrix.
- Provides natural erosion control and synthetic vegetation reinforcement for severe erosion control projects in a wide variety of applications.



S150

- Double-Net Straw Blanket consists of 100% agricultural straw between degradable polypropylene nettings.
- Provides erosion control and helps vegetation become established for up to 12 months.



We'll solve your sediment control problem – guaranteed.

Since North American Green was founded in 1985, our mission has been to supply our customers worldwide with the highest quality rolled erosion control products and to support those products with state-of-the-art technical and selling information. As a result, there's virtually no erosion or sediment control problem we cannot solve. For every erosion control situation, we provide solutions, not just products – and most of our products are tested and backed by our Ultimate Assurance Guarantee. To find out more, or to find the North American Green Erosion Solutions Specialist nearest you, please contact your distributor or visit www.nagreen.com.



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