Curlex® SiltTRAP™

Erosion Buffer Strips

Dirty water and mud washing into streets - these are a few things on construction sites that pose such a nuisance and, at the same time, such a difficult challenge to control. However, ignoring it is simply not an option. Today's contractors and engineers are faced with stringent EPA water quality discharge requirements that include NPDES Phase I and II regulations and increased enforcement on job sites. SiltTRAP was developed to help meet regulatory compliance standards by filtering out sediment from runoff water before it enters storm drains in construction areas.

In addition to the compliance requirements, new residential and commercial developments can enhance the appearance of their projects, while solving problems of soil loss and water runoff by using Curlex SiltTRAP. It's vital to the owners to employ an aesthetically pleasing approach to their projects because their developments are designed to attract buyers or tenants during active construction phases. The green color gives the appearance of instant natural turf that conceals its real purpose of providing sediment and water flow control.

Material Characteristics

SiltTRAP offers a unique way of installing a temporary buffer strip to capture sediment before it washes away, filling gutters, clogging pipes, and generally creating a mess. The unique Curlex excelsior fibers in SiltTRAP filter soil from the runoff and greatly reduce off-site problems without the installation and disposal hassles of silt fence. There is no need to remove the product after the construction phase is complete because SiltTRAP will degrade in place if not removed.

QuickGRASS® (green pigment) fibers of SiltTRAP provide you with a tremendous visible benefit that can be "seen" the moment it is installed. This is well received in residential and commercial areas where you want to promote a finished effect when your visitors are entering or leaving the site.

Curlex SiltTRAP fibers expand when wet creating a "clinging" effect to the soil. The product becomes twice as thick, which provides additional protection during heavy rain. The same fibers then slowly release the absorbed moisture back to the soil creating a hygroscopic action that nurtures seeds and promotes revegetation.

Typical Applications

- Along back edge of curbs and gutter structures
- Along edge of concrete and asphalt pavements
- Perimeters of residential construction sites
- Perimeters of commercial construction sites
- Perimeters of industrial construction sites

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Erosion Buffer Strip

SUGGESTED SPECIFICATIONS

General

Curlex SiltTRAP is designed for erosion control, sediment control, and perimeter control. Curlex SiltTRAP excelsior buffer strip is a natural, stitched excelsior product that provides erosion control to the soil it is placed upon and captures sediment (sediment control) produced by sheet flow before it overflows curbs and dumps on to streets (perimeter control).

Product

Excelsior Buffer Strips shall be Curlex SiltTRAP, as manufactured by American Excelsior Company. SiltTRAP shall be a specific cut of Great Lakes Aspen curled wood excelsior with 80% six-inch fibers or greater fiber length. Fibers shall be curled with soft barbs to allow for an interlocking matrix. The top of each blanket shall be covered with photodegradable polypropylene netting. SiltTRAP shall be naturally seed free, contain no chemical additives, and be of consistent thickness with fibers evenly distributed throughout the entire area of the product.

Excelsior color shall be QuickGRASS green. SiltTRAP is available individually wrapped or in master packs to allow for mechanical unloading and stacking.

Standard Curlex SiltTRAP:

Roll Dimensions:	4 ft x 112.5 ft (50 yd²) 8 ft x 112.5 ft (100 yd²) 16 ft x 112.5 ft (200 yd²)
Anchors:	Biodegradable or steel wire staples - minimum of 15 cm (6 in) in length

Installation

Before installing Curlex SiltTRAP, the finished grade shall be inspected by the Owner's Representative to ensure it has been properly compacted and fine graded to remove any existing rills. It shall be free of obstructions, such as tree roots, projections such as stones, and other foreign objects. The contractor shall proceed when all satisfactory conditions are present. After the area has been properly shaped, seeded, fertilized, and compacted, locate the start of the roll, making sure the roll is facing toward the area to be covered, and then roll out the product. Products shall be rolled out flat, even, and smooth without stretching the material then anchored to the subgrade.

If Curlex SiltTRAP is being used as a temporary buffer, seeding may not be necessary; however, due to its unique ability to expedite germination, it is recommended the area be final graded, seeded, fertilized, and compacted before SiltTRAP is installed. This will allow for early germination and possible elimination of future sod costs.

Curlex SiltTRAP shall be located at the perimeter of the site along undisturbed vegetation, paved surfaces, and/or the backside of curbs. Multiple strips of SiltTRAP may be required where large contributory areas or steep slopes are encountered. SiltTRAP shall not be installed for sediment capture purposes where concentrated flow conditions (channelized flow) from above are anticipated.

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If you would like to receive more information or consult with one of our Customer Care Center Specialists, please call us toll free at (888-352-9582)

PDF download specifications available in the Technical Support Library at www.curlex.com