

Curlex[®] RoadRunner™

Mechanically Installed ECB System

RoadRunner is a mechanically installed erosion control blanket system that has virtually rendered manual installation obsolete. If you work with large projects and would like to drastically reduce your unloading and installation labor rate, RoadRunner blankets along with our patented installation equipment is your most efficient solution. RoadRunner installation equipment is compatible with skid steer equipment. RoadRunner mechanically unloads, installs the blankets, reduces your crew size, and minimizes labor installation time. In turn, it allows you to complete large projects ahead of schedule.

MATERIAL CHARACTERISTICS

RoadRunner is a patented system designed to allow one person to mechanically unload a flatbed of blankets on-site in less than one hour. After unloading, just change to the installation mode and install with the most labor efficient system available. All you need to install RoadRunner blankets is one operator and two to three persons to staple the blankets. RoadRunner installation equipment allows you to minimize crew size and maximize labor efficiency by installing wider and longer erosion control blankets. RoadRunners allow for a fast, smooth installation. Available colors are natural Aspen or QuickGRASS[®] (green) for urban aesthetics.

PERFORMANCE CAPABILITIES

Channels

RoadRunner installation equipment will install Curlex blankets in channels that are accessible by most skid steers.

Slopes

Steepness: RoadRunner blankets have been installed on 2H:1V slopes; however, the limitations of equipment and operator skill will vary. Refer to equipment safety manual before installing on steep slopes.

TYPICAL APPLICATIONS

- Highway medians, shoulders, channel bottoms, and side slopes
- Golf course fairways & roughs
- Residential, commercial, and industrial developments
- Landfill caps and side slopes
- Mine reclamation projects
- Pipeline right-of-ways



American
Excelsior
Company[®]



Earth Science Division

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SUGGESTED SPECIFICATIONS

General

The Erosion Control Blanket (ECB) is in rolled blanket form to be used in conjunction with patented RoadRunner equipment for the purpose of reducing crew size, minimizing unloading time, and maximizing installation efficiency. RoadRunner installation equipment is compatible with most skid steer loaders and tractors.

Product

ECBs shall be standard Curlex Excelsior RoadRunner blankets as manufactured by American Excelsior Company. ECB shall be made of 100% Aspen excelsior with one layer of netting (top side) stitched to form a three-dimensional matrix. Netting on both sides is optional. RoadRunner ECBs shall be free of weed seed and be of consistent thickness. Fiber shall be Curlex excelsior and 80% or more shall be six inches or longer. Fiber shall be curled with soft barbs to allow for an interlocking matrix. Excelsior fiber color shall be natural Aspen or QuickGRASS (green). Curlex RoadRunner erosion control blankets shall be furnished with a 10 cm (4 in) diameter corrugated core to allow handling by equipment during unloading and installation.

Standard RoadRunner Blanket:

Roll Width	2.4 m	8.0 ft
Roll Length	167.6 m	550.0 ft
Unit Weight ^a	0.396 kg/m ² ± 10%	0.73 lb/yd ² ± 10%
Roll Area	408.8 m ²	488.9 yd ²

^aWeight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen Excelsior is 22%.



Installation

Before installing Curlex RoadRunner blankets, the seedbed 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 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 blanket. Blankets shall be rolled out flat, even, and smooth without stretching the material then anchored to the subgrade. It is recommended the blankets be installed vertically on the slope; however, on short slopes it may be more practical to install horizontally across the width of the application. Curlex RoadRunner blankets shall be centered to offset a seam in the middle of the waterway. They shall be installed in the same direction as the water flow. The adjoining blankets shall be installed away from the center of channel. Curlex RoadRunner blanket installation shall continue up the side slopes and three feet over the crest to the flat of the final grade. Flanks exposed to runoff, or sheet flow, must be protected by a check slot or trenched. Curlex RoadRunner blankets shall be trenched at the start of the channel and anchored using a staggered staple pattern at end of roll overlaps and end of roll terminations.

The Curlex RoadRunner shaft installation device shall be mounted on standard construction equipment (e.g., skid steer loader or tractor). Safe operating limits of the equipment shall dictate the steepness limits to which Curlex RoadRunners can be mechanically installed. In no case shall the safe operating limits of the equipment be exceeded. Do not stand within the operating swing arm radius.

Disclaimer: Curlex RoadRunner is a system for erosion control and revegetation on slopes and channels. American Excelsior Company (AEC) believes that the information contained herein to be reliable and accurate for use in erosion control and revegetation applications. However, since physical conditions vary from job site to job site and even within a given job site, AEC makes no performance guarantees and assumes no obligation or liability for the reliability or accuracy of information contained herein, for the results, safety, or suitability of using Curlex RoadRunner, or for damages occurring in connection with the installation of any erosion control product whether or not made by AEC or its affiliates, except as separately and specifically made in writing by AEC. These guidelines are subject to change without notice.

