

RE: Review of SedimentSTOP

PRODUCT

SedimentSTOP biodegradable filtration system is a temporary sediment filtration device. It is manufactured by North American Green and distributed in Alberta by Nilex Inc.

VENDOR CLAIMS AND INFORMATION

CLAIMS

SedimentSTOP biodegradable filtration system is a temporary sediment filtration device that provides highly effective sediment control for a wide range of applications (including active jobsites, perimeter/edging control, steep slopes and wet areas).

DESCRIPTION

SedimentSTOP shall be composed of 70% agricultural straw and 30% coconut fibre matrix evenly distributed over the entire area of the bottom netting. The SedimentSTOP shall consist of a bottom netting and a 0.6 m top netting that covers the matrix material on the "splash apron" of the SedimentSTOP system. SedimentSTOP is water-permeable – so it allows water to pass through while trapping soil particles – and offers significantly greater filtration capabilities and sediment retention than wattles, straw bales or silt fence. In the event that water does flow over the top, SedimentSTOP has an attached Splash Apron, which reduces rill formation and potential downslope erosion.

POTENTIAL USAGE

It can be used on active jobsites as perimeter/edging control and on steep slopes and in wet areas.

STANDARDS

North American Green is a proud member of the US Green Building Council. Utilizing SedimentSTOP can help you earn credits towards your LEED Green Building Rating System project certification goals. SedimentSTOP. Installation guideline is available.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has limited experience with this product.

APPLICABLE STANDARDS

Alberta Transportation has a specification for the straw and coconut rolled erosion control products (RECP) used in the Sediment STOP system.

RECOMMENDATIONS

Silt Stop be listed as a Proven Product under Alberta Transportation Products List, Erosion Control Systems – Miscellaneous – Trial Product, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

H566 Balzac
H22X/H2 Deerfoot Trail

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow