

Product Evaluation

RE: Review of AEC Erosion Control Blankets – Curlex Enforcer

PRODUCT

American Excelsior Company erosion control blankets – AEC Curlex Enforcer. This product is manufactured by American Excelsior Company and distributed in Alberta by AGES Brockwhite of Calgary.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Curlex Enforcer blankets consist of softly barbed, interlocking curled Aspen excelsior fibres. Wood Excelsior shall contain 80% 6" fibres or greater fibre length. They are weed seed free. It is bound by 2 layers of heavy-duty black UV stabilized netting to provide permanent service life and reinforcement between established vegetation and root systems in channel bottoms. Material does not contain any weed seed or chemical additives. It is designed to provide protection for grass seed and topsoil from wind and water erosion for up to 36 months. It is a bicomposite turf reinforcement mat (TRM). Website: www.americanexcelsior.com.

DESCRIPTION:

AEC Curlex Excelsior blankets are specifically designed to actually promote ideal growing conditions for grass seed, while simultaneously protecting topsoil from wind and water erosion. By design, Curlex blankets have a built-in swell factor – wet curled excelsior fibres slightly expand in thickness and interlock to form a strong fibre matrix. The roughness of the curled excelsior matrix slows the velocity to a point where gravity takes over, allowing moisture to slowly seep into the topsoil to promote ideal growing conditions. Curlex blankets are available with a variety of environmentally sensitive and/or stronger netting types.

POTENTIAL USAGE:

Highway embankments, ditch bottoms and slopes, bridge, approaches and medians. Also used in residential, commercial developments, waterways and pipeline right of ways.

STANDARDS:

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has tried a large variety of rolled erosion control products in the past and might have some experience with this product but there is no documentation of its actual use and performance.

APPLICATION STANDARDS:

Alberta Transportation has a performance specification for Rolled Erosion Control Products.

RECOMMENDATIONS:



Product ID: 8133-1-18
Initiation Date: August 2008
Revision Date: October 16, 2014

American Excelsior Company AEC Curlex Enforcer for erosion control be listed as a Proven Product under Alberta Transportation Product List, Erosion and Sediment Control Systems, Rolled Erosion Control Products – Permanent RECPs – TRM Type C, based on the information provided.

TRIAL PROJECTS

Valley Ridge (Calgary)

Fred Cheng

cc New Product Evaluation Standing Committee - Roger Skirrow