

Product Evaluation

Product ID: 8133-1-9
Initiation Date: September 5, 2002
Revision Date: November 20, 2007

RE: Review of DeKoWe 700 Coir Blanket

PRODUCT

DeKoWe 700 Coir Blankets are manufactured by Belton Industries Inc. and distributed by Cascade Geotechnical Inc. of Edmonton.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

100% biodegradable erosion control blanket and biodegradable vegetated geogrid suitable for high velocity channels and 1:1 slopes.

DESCRIPTION:

Geocoir/DeKoWe are geotextiles that are made from pure coir drawn from the husk of the coconut, a 100% natural product, with the highest tensile strength of any natural fibre. Geocoir/DeKoWe can be used where long term usage is required. These fabrics come in a variety of weights and configurations which can provide service from 3-5 years. The woven coir blanket is available in 3 weights: 400, 700 and 900 grams/metre. Each fabric has a unique engineering and erosion protection function to perform.

POTENTIAL USAGE:

It can be used for erosion control for channels and moderate to severe slopes.

STANDARDS:

Belton Industries have provided installation instructions.

ALBERTA INFRASTRUCTURE and TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Infrastructure and Transportation have tried a large variety of erosion control mats 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 Infrastructure and Transportation have a performance specification for this product.

RECOMMENDATIONS:

Multimat 100 TRMs be listed as a Proven Product under Alberta Infrastructure and Transportation Product List, Erosion Control Systems – Rolled Erosion Control Blanket – Proprietary, based on the information provided.

TRIAL PROJECTS

H734 Pembina River, Foothill Model Forest , Hinton: H2 Ellersile Pipeline Crossing: OJ Pipeline Stream Crossing: TransCanada Pipeline Crossings

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow