

Product Evaluation

RE: Review of ESC-2

PRODUCT

ESC-2 is a Temporary Rolled Erosion Control Blanket manufactured by East Coast Erosion Control located in Bernville, PA, USA and distributed in Alberta by Layfield located in Vaughan, Ontario. Website: www.eastcoasterosion.com

VENDOR CLAIMS AND INFORMATION

CLAIMS

ECS-2 has functional longevity of approximately 12 months, but will vary depending on soil and climatic conditions, and is suitable for slopes 2:1 or less and low to medium flow channels.

DESCRIPTION

ECS-2 is made with uniformly distributed 100% agricultural straw and two polypropylene net securely sewn together with degradable thread. The tightly compressed blankets are wrapped and include a product label, code and installation guide. The blankets are palletized for easy transport.

POTENTIAL USAGE

Erosion protection at slopes 2:1 or gentler and at low to medium -flow channels

STANDARDS

C-Factors (ASTM D6459) - 0.01
Tensile Strength (ASTM D6818) – MD 2.19 kN/m and TD 1.17 kN/m
Unvegetated Shear Stress (ASTM D 6460) – 98.15 Pa
Unvegetated Velocity (ASTM D 6460) - 2.29 m/s

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has experience with similar type of product.

APPLICABLE STANDARDS

Alberta Transportation standard for Rolled Erosion Control Products (RECP) is documented in AT Products List and Erosion and Sediment Control Manual BMP#13

RECOMMENDATIONS

ESC-2 be listed as a Potential Product under Alberta Transportation Products List, Erosion and Sediment Control Systems – Temporary Rolled Erosion Control Products – Type B – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

TRIAL PROJECTS

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