

Product Evaluation

RE: Review of Green Armor

PRODUCT

Green Armor is manufactured by Profile Products located in Buffalo Grove, Illinois and distributed by GPEC – Green Patch Environmental Consulting Ltd located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Green Armor system is recommended for its ability to withstand high discharge water flow with triple the erosion resistance of non-reinforced vegetation. Green Armor produced the highest un-vegetated critical shear stress and velocity ratings. Product web link: <http://www.profileevs.com/products/rolled-erosion-control/permanent-turf-reinforcement-mats-trm/greenarmor-system>

DESCRIPTION:

Green Armor system begins with Enkamat TRM (Turf Reinforcement Mat) which provides a permanent, lofty and open matrix. It is then hydraulically infilled with Flexterra FGM (Flexible Growth Medium) to intimately bond soil and seeds while accelerating growth. This unique system protects against elevated levels of hydraulic lift and shear forces.

POTENTIAL USAGE:

Green Armor system provides permanent protection against rainfall induced erosion and the forces of flowing water, aids in the establishment of vegetation and reinforces vegetation.

STANDARDS:

ASTM D6637, ASTM D6525, ASTM D6566, ASTM D6524, ASTM D4355

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has no experience with this specific product. AT has experience with many other erosion and sediment control products.

APPLICATION STANDARDS:

Alberta Transportation does not have a standard for this product.

RECOMMENDATIONS:

Green Armor system be listed as a Potential Products under Alberta Transportation Products List, Erosion and Sediment Control Systems – Miscellaneous Erosion and Sediment Control – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance. **Note: Not Bio-degradable**

TRIAL PROJECTS

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