

Product Evaluation

RE: Review of ECP2 10 Oz.

PRODUCT

ECP2 10 OZ. is a Turf Reinforced Mat 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

ECP2 10 Oz. is a permanent turf reinforcement mat and is suitable for 1:1 slopes and high-flow channels.

DESCRIPTION

ECP2 10 Oz. is made with uniformly distributed 100% polypropylene fiber and two medium weight polypropylene nets securely sewn together with UV stabilized 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 1:1 or gentler and at high-flow channels

STANDARDS

C-Factors (ASTM D6459) - 0.01
Tensile Strength (ASTM D6818) – MD 5.4 kN/m and TD 4.60 kN/m
Unvegetated Shear Stress (ASTM D 6460) – 110.12 Pa
Vegetated Shear Stress (ASTM D 6460) – 478.80 Pa
Unvegetated Velocity (ASTM D 6460) - 2.74 m/s
Vegetated Velocity (ASTM D 6460) - 5.49 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

ECP2 10 OZ. be listed as a Potential Product under Alberta Transportation Products List, Erosion and Sediment Control Systems – Permanent RECPs – Turf Reinforcement Mats – TRM 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

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,