

**RE: Review of Erosion Control Blankets – Landlok Pyramat TRM**

**PRODUCT**

Turf Reinforcement Mats (TRMs) by Propex (formerly SI Geosolutions) – Pyramat. This product is distributed by EMCO Corporation of Calgary.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS:**

Pyramat high performance turf reinforcement mat (HPTRM) is a 3-dimensional, lofty, woven polypropylene geotextile that is available in green or tan which is specifically designed for erosion control applications on steep slopes and vegetated waterways. The matrix is composed of polypropylene monofilament yarns featuring X3 technology woven into a uniform configuration of resilient pyramid-like projections. The material exhibits very high interlock and reinforcement capacity with both soil and root systems, demonstrates superior UV resistance and enhances seeding emergence.

**DESCRIPTION:**

Pyramat is manufactured at a Propex facility having achieved ISO 9001:2000 certification.

**POTENTIAL USAGE:**

Can be used in ditches and storm channels. As a soft armour it can be used as an alternative solution to ripraps.

**STANDARDS:**

Propex provides staple patterns and roll width, length and weight for this product. Water flow velocities, shear stresses and Manning's N values are also provided.

ASTM D1777 Thickness

ASTM D5035 Tensile strength, Elongation

**ALBERTA TRANSPORTATION COMMENTS**

**EXPERIENCE:**

Alberta Transportation has 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 Transportation have a performance standard for Rolled Erosion Control Products.

**RECOMMENDATIONS:**

Pyramat for erosion control be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems, Rolled Erosion Control Blanket – Permanent RECPs – Proprietary, based on the information provided.

**TRIAL PROJECTS**

H2:08 Willow Creek

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow