

RE: Review of Turf Reinforcement Mats – Maccaferri MacMat N10

PRODUCT

Permanent erosion control blankets and mats – Turf Reinforcement Mat (TRM) – Maccaferri MacMat N10. This product is manufactured for Maccaferri Canada Ltd. under a private label agreement by Colbond Geosynthetics of North Carolina.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

The erosion control blankets and mats are used to prevent erosion of soil on side slopes, channels and ditches.

DESCRIPTION:

The MacMat N10 is a Turf Reinforcement Mat (TRM) made with nylon filaments (Black colour) processed into a 3-dimensional matrix. The open area of the mat (95%) is sufficient for mechanical soil filling or by natural sediments through hydraulic flows. The thickness, strength and void space permits soil filling, retention and development of vegetation within the matrix.

POTENTIAL USAGE:

STANDARDS:

ASTM D5035 Tensile strength, Elongation
ASTM D5199 Thickness
ASTM D5261 Mass per unit area
ASTM D G53, D1682 UV stability

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has tried a large variety of rolled 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 has a standard for this product as listed in the Product List.

RECOMMENDATIONS:

Maccaferri MacMat N10 for erosion control be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems – Rolled Erosion Control Blanket – Proprietary, based on the information provided.

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow

TRIAL PROJECTS

Banff, Tunnel Mountain Road