

Product Evaluation

RE: Review of ShoreMax

PRODUCT

ShoreMax soft revetment scour protection mat is manufactured by North American Green, Indiana and distributed in Alberta by Nilex Inc.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

ShoreMax soft revetment scour protection mat is designed as a mechanical protection over highly erosive area. It provides protection against much higher shear stresses and velocities than Turf Reinforcement Mats. Website: www.nagreen.com.

DESCRIPTION:

The ShoreMax system is comparable to hard armour products such as rock riprap and articulated concrete blocks in turbulent flow and wave attack applications. It is a unique flexible UV stabilized rubber mat designed with voids to allow vegetation establishment through the mat, or natural infilling of sediment. ShoreMax should be used in conjunction with other erosion control products such as turf reinforcement mats above water lines and geotextiles below water lines. Available sizes: 1 m x 1 m; 1 m x 1.5 m.

POTENTIAL USAGE:

Shoreline protection along rivers, streams and lakes; boat docking areas; channel bottoms and bends; stormwater pipe inlets and outlets; curb outfalls and downspouts; bridge abutments; levees and spillways.

STANDARDS:

ASTM D6525 Thickness
ASTM D6565 Mass/unit area
ASTM D2240 Hardness
ASTM D297 Specific gravity
ASTM D6575 Flexural rigidity
ASTM D6818 Tensile strengths, elongation

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation does not have any experience with this product.

APPLICATION STANDARDS:

Alberta Transportation does not have a performance specification for this product.

RECOMMENDATIONS:

ShoreMax soft revetment scour protection mat for erosion control be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems, Miscellaneous Erosion Control – Proprietary, based on the information provided.

TRIAL PROJECTS

Hwy 854:01 – West ditch repair – km 12.08 to Km 12.77 – installed in 2012

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow