

Product Evaluation

RE: EarthTech E-Panel Retaining Wall

PRODUCT INFORMATION

Product Name: EarthTech E-Panel Retaining Wall Manufacturer: Rapid Span Structure Limited Partnership, Arm Strong, BC
Website: www.earthtechgroup.com Supplier: EarthTech Solutions Corp, Calgary

VENDOR CLAIMS AND INFORMATION

CLAIMS

It is designed to be much more cost effective, time efficient, and environmentally friendly than the traditional concrete approach. Protected with 6 patents, the e-Panel could be used uniquely in situations such as: two-staged, back-to-back berm, narrow wedges, light weight fill, land sliding, heavy duty, rainfall, seismic, waterfront, differential settlement and more.

DESCRIPTION

The EarthTech Panel Semi-Extensible Wall (e-Panel) is a geosynthetic wall capable of using any polymeric material in the market.

POTENTIAL USAGE

MSE wall use.

STANDARDS

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has no experience with this product.

APPLICABLE STANDARDS

Transportation and Economic Corridors Standard Specification for Bridge Construction Section 25.2.6 Precast Concrete Fascia Panels.

Alberta Transportation and Economic Corridors Standard Specifications for Bridge Construction Section 25 - Mechanically Stabilized Earth Walls

RECOMMENDATIONS

EarthTech E-Panel Retaining Wall be listed as a Potential Product under Transportation and Economic Corridors Products List, Earth Retaining System – Reinforced Soil System (Wall) – Proprietary. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: For use on Alberta highway projects, this product must be appropriately designed and stamped by a Professional Engineer registered with APEGA. Additionally, any application involving extensible reinforcement in MSE bridge abutments or wing walls must comply with the requirements outlined in Section 25 (Mechanically Stabilized Earth Walls) of the Alberta Transportation and Economic Corridors Standard Specifications for Bridge Construction.

TRIAL PROJECTS

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