

The EarthTech® Panel Semi-Extensible Wall

The EarthTech® Panel (e-Panel) wall is the way of the future. This geosynthetic wall is capable of using any polymeric material in the market. It was 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

Who are we?

EarthTech Solutions is an established engineering and project management firm that specializes in a full spectrum of Mechanically Stabilized Earth (MSE) walls and Reinforced Soil Structures (RSS). With over 30 years of experience, we present our clients with an array of possibilities for all of their retaining wall needs.

We pride ourselves in our innovation, modernity, and integrity. As such, we place the utmost importance on the environment, and maximizing economic and social value within all of our projects.

Introducing the EarthTech® Panel



EarthTech Group
Specialized in MSE & GRS



Why choose us?

At EarthTech Solutions, we offer personalized services from the design to project completion. This along with our goal to help propel the world into an age of sustainability is what makes us unique.

Contact us:

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What we offer

- Design and Drawing Package
- Engineering Services
- MSE system optimization
- PPP project outsourced MSE division
- Project Management
- QA/QC
- Site Inspection and Certification
- Specification Preparation

Benefits of the EarthTech™ Panel

Unique: This wall boasts an efficient two stage system, back-to-back berm walls, light-weight fill system, and a narrow wedge fill against solid existing structures or mountains.

Highly Adaptable: Polymer is light-weight, flexible, easy to handle material that could be easily moved with bare hands.

Cost Efficient: Expected savings of about 10 to 15 % of the cost compared to a High-Density Polyethylene (HDPE) grid.

Environmentally Friendly: Uses environmentally friendly materials including recycled plastics.

Resistant to chemical damage: With a large PH range of 2-11, geosynthetic materials come with significant advantages such as high tensile modulus and high resistance to biological and/or chemical degradation.

High long-term design strength: Because the wall can use almost any polymeric material in the market, it will lower the creep factor from 2.58 to 1.38, thus making it more stable in the long-term.



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