



THE BEST MSE WALL SYSTEMS ON EARTH

EarthTec provides our clients with a new family of products and technologies to solve their grade separation and earth retention problems. Developed in Europe, and proven in some of the most aggressive and demanding environments on earth, EarthTec's MSE systems provide our clients the best solution for their earth retention needs. All of our systems and technologies have been fully tested and are designed in complete conformity with AASHTO and DOT specifications.



THE TECHNOLOGY:

EarthTec HA™ combines high adherence ribbed steel strip soil reinforcement and precast concrete facing panels. It is the only ribbed steel system that is designed fully in accordance with AASHTO and DOT specifications.

In use since 1992, the system offers a track record of successful applications on vertical retaining walls exceeding 60 feet in height, bridge abutments (including rail abutments), and marine structures. A range of standard precast facing shapes and sizes are offered within this product range including square, rectangular, hexagonal and T-shaped.

EarthTec PET™ is the only MSE wall system combining the economy, performance and constructability of a traditional discrete panel MSE system with the durability and resistance to corrosion traditionally associated with geosynthetic systems. This unique system incorporates PVC coated strips made from Diolen HTPET, connected to the facings using a patented GFRP mechanical connection.

Developed for use in the chloride rich and high temperature soil environments of the Middle East Gulf, EarthTec PET™ offers proven durability in aggressive environments and constructability to tight tolerances.



EarthTec Ultra™ combines the very latest developments in geosynthetic soil reinforcement technology with the proven details and constructability of the EarthTec PET™ system.



Developed specifically for use with environmentally friendly backfills, Ultra™ polymeric strip reinforcements can be used with recycled concrete and other chemically aggressive backfill, saving as much as 30% on installed wall costs. Ultra™ polymers have a molecular weight approximately five times that of the best polyesters making them virtually impervious to chemical and biological degradation. And Ultra reinforcements are more than twice as stiff as either HDPE or Polyester, minimizing post construction strain and maximizing control during construction.



EarthTec™ Wire Walls combine either steel strip or geosynthetic strap reinforcements with a wire face for the ultimate in performance and economy in a non-concrete faced structure.

EarthTec OSS™ extends our wire faced range, offering a superior solution for over-steepened slopes. The permanent wire facings are fast and simple to install and monolithic facing angles up to 90 degrees can be achieved. We also offer a number of options for achieving vegetative cover, depending on the end result wanted and the local environmental conditions.



THE SERVICE PACKAGES:

EarthTec offers an unrivalled range of service packages to allowing clients to customize delivery of our systems. **Design and Supply** packages include all wall facing and soil reinforcement materials, stamped construction drawings, on site technical assistance and training.

Design/Supply/Build packages include the design and supply package plus wall backfill and all labor, and equipment to construct the wall on a prepared subgrade. Related work such as excavation support and foundation improvement can also be included in our scope of work.

For the best MSE wall solutions, delivered in the way you want them – contact us.

