

ACETex[®] ES-Series woven geotextiles for Base Reinforcement and Subgrade Stabilization

ACETex[®] ES-Series woven geotextiles, fabricated with self-developed high tenacity polypropylene yarns and well-designed texture, perform exceptionally well in separation, filtration, and reinforcement functions altogether to enhance the safety, reliability and serviceability of paved and unpaved roadways.

With high tensile strength (biaxial tensile strengths up to 200 kN/m) and modulus of the geotextiles, which provide structural stability and distribute load uniformly at low elongation to increase the load-carrying capacity of the system, the ACETex[®] ES-Series are commonly placed between road base and subgrade. Furthermore, by increasing permeability with appropriate pore sizes, ACETex[®] ES-Series achieve separation and filtration simultaneously to stabilize the structure of the roadway system in the long term. Moreover, ACETex[®] ES-Series are available in various tensile strengths and hydraulic properties to meet diverse project engineering needs.

APPLICATIONS

Roadway / Railway

- Subgrade Stabilization
- Base Reinforcement



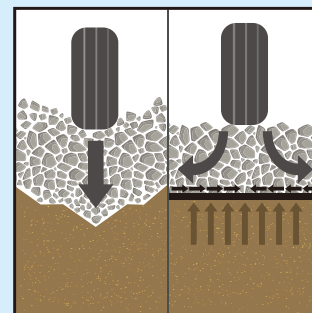
Embankment

- Soft Foundation Stabilization



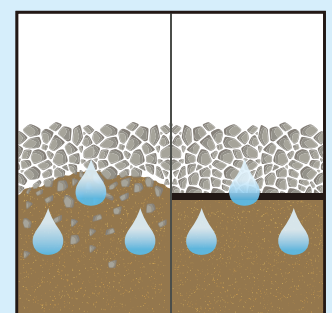
BENEFITS from the Integrated FUNCTIONS of the Product

Reinforcement



- Increase bearing capacity
- Add membrane support
- Provide lateral restraint

Separation & Filtration



- Prevent mixture of base course and subgrade materials
- Retain fine particles
- Mitigate waterbed effect

Safety

Reduce rutting

Reduce inhomogeneous settlement

Improve trafficability

Economical

Extend road service life

Reduce required base course materials

Lower maintenance costs

Applicability

Use in heavy rainfall/ high

water table areas
Use with some difficult soils

Allow permeable pavement systems

Exclusive Distributor



Gabions | Geosynthetics | Permacrib | Rockfall Barrier System
Alpha Pinnacle Sdn Bhd (1108444-U)
 A-06-01, First Floor, Garden Shoppe @ One City,
 Jalan USJ 25/1f, 47650 Subang Jaya, Selangor, Malaysia
 Landline : (603) 5885 3828 Facsimile : (603) 5885 3830
 Email : contact@alphapinnacle.com URL : www.alphapinnacle.com