

GEOSYNTHETICS **NONWOVEN GEOTEXTILES**

Polypropylene or Polyester
geotextiles for:

- Reinforcement
- Separation
- Filtration
- Drainage
- Protection
- Erosion Control



EXTENDING PROJECT LIFE REDUCING CONSTRUCTION COSTS

FUNCTIONS SERVED BY THRACE NG NONWOVEN GEOTEXTILES



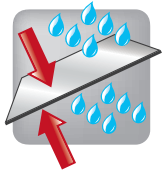
REINFORCEMENT

The good tensile mechanical properties of Thrace NG geotextiles in conjunction with the soil's good compressive but poor tensile properties improve the total system's strength interaction. The high strength and low elongation of the geotextiles are ideal for **reinforcing embankments of roads, slopes, and retaining walls.**



SEPARATION

The placement of Thrace NG flexible and porous geotextile between dissimilar earth materials allows for the **integrity and functioning of both materials** so that they can be improved or remain intact.



FILTRATION

Thrace NG nonwoven geotextiles work in equilibrium with the soil to allow for **adequate liquid flow with limited soil loss** across the plane of the geotextile while avoiding pore clogging.



DRAINAGE

The equilibrium between the soil-to-Thrace NG geotextile system allows for adequate liquid flow while maintaining limited soil loss within the plane of the geotextile. The hydraulic properties of the geotextile are suitable to establish **structural stability by controlling excess amounts of water** during and after construction.



PROTECTION

Thrace NG nonwoven geotextiles offer **perfect damage protection to geomembranes and other coated materials** that may occur from contact with sharp soil surfaces such as stones or sub grade unevenness. The geotextiles' thickness and mass are directly proportional to the amount of protection that they can offer.



EROSION CONTROL

Thrace NG nonwoven geotextiles can be used independently or in conjunction with Thrace NG woven geotextiles for **creating geobags** that can be utilized for **erosion control of slopes, shoreline protection, and river bank flood control.**



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 **THRACE NG**

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