

# Geosynthetics for Pavement Applications

ADS offers a wide variety of woven and non-woven geotextiles for use in pavement applications. These geotextiles provide drainage, separation, stabilization and soil reinforcement.

## Nonwoven Geotextiles

ADS nonwoven fabrics are made of polypropylene filaments and are approved by the Federal Highway Administration, U.S. Army Corps of Engineers, the Environmental Protection Agency and AASHTO. Nonwoven geotextiles offer consistent drainage and separation.

## Woven Geotextiles

ADS woven fabrics are manufactured from high tensile extruded polypropylene yarns that provide separation and stabilization in paved/unpaved roads and parking areas. The high strength of the woven geotextile provide stress dissipation within the pavement structure allowing higher loadings with thinner pavement designs.

## Paving Fabrics

ADS pavement reinforcement nonwoven geotextiles (paving fabrics) offer a high quality, consistent pavement interliner for pavement overlay applications. These paving fabrics provide the following benefits:

- Moisture barrier & stress absorbing interlayer
- Reduces reflective cracking
- Can be utilized in existing pavement applications
- Used to minimize water infiltration
- Less expensive & longer, more effective results than:
  - milling plus overlay
  - thicker overlays
  - surface treatments
  - chemical mixes

*\* Contact your local sales representative for product availability.*



## Geogrids for pavement construction

BX Geogrids offer improved roadway solutions based on time-tested design principles. Geogrids add strength and stability to the soil layers via confinement of the soil particles. Whether paved or unpaved, ADS Geogrids provide two unique yet related functions of soil stabilization and base reinforcement.

When faced with soft soils, ADS Geogrids offer solutions to deep undercutting or chemical stabilization to greatly reduce the overall cost of construction.

When constructing roadways over a firm subgrade, ADS Geogrids enhance pavement life, reduce required aggregate and pavement thickness. The high-tensile strength and junction efficiency confine and restrain aggregate from lateral movement.

Geogrids can be used on highways, haul roads, wind farms, airport runways and taxiways, slope stabilization or MSE walls. Examples of projects where ADS Geogrids can be utilized include:

- Wastewater treatment plant for land stabilization or soft soils application
- Roadway base stabilization
- Airport runways and taxiways used in base course stabilization
- Alternate to deep undercuts and chemical stabilization

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