## PROPER PRODUCT SELECTION

To help select which type of the various geosynthetics is best suited for a given application, the following list has been developed. Of course, the answer will many times be a value-engineered decision (cost versus performance).

PRODUCT TYPE	APPLICATION
Nonwoven Fabric	<ul> <li>Subsurface drainage and filtration (except for gap graded soils)</li> </ul>
	<ul> <li>Erosion protection (except for gap graded soils)</li> </ul>
	Asphalt overlays
	<ul> <li>Stabilization and separation (usually a value engineered decision between nonwoven geotextiles, woven geotextiles, or grids)</li> </ul>
	<ul> <li>Railroads only use heavy weight nonwovens (woven and light weight heat bonded nonwovens are detrimental to railroads)</li> </ul>
	<ul> <li>Pond underlayments (under and/or over impermeable liners to provide puncture resistance)</li> </ul>
Woven Slit Film Fabric	<ul> <li>Stabilization and separation (again a value engineered decision)</li> </ul>
	Silt fence
Woven Monofilament Fabric	<ul> <li>Subsurface drainage and erosion protection (mainly in gap graded soils)</li> </ul>
High Strength Wovens	Stabilization and reinforcement
Grids	Stabilization and reinforcement
Drainage Nets	<ul> <li>In-plane drainage (when combined with light weight nonwovens)</li> </ul>
PDS (Pre-fabricated Drainage Structure)	Subsurface drainage
Matting	Erosion protection
Combination of Grids and Nonwoven Fabric	<ul> <li>Special stabilization and reinforcement where separation is needed (usually a value engineered decision), i.e. under sewer lines or in soils prone to pumping – like railroads or access roads</li> </ul>