

Types of Geofabric

Woven Geotextile

Made by weaving fibers together, typically from materials such as polypropylene or polyester. These fabrics are known for their high strength and durability, making them ideal for applications requiring soil stabilization and reinforcement.

Non-Woven Geotextile

Manufactured using needle-punch technology, these fabrics are more porous compared to woven geotextiles. They are excellent for filtration, drainage, and separation applications.

Knitted Geotextile

Produced by interlocking fibers in a knitted pattern, offering flexibility and conformability. They are commonly used in applications where the fabric needs to contour to irregular surfaces.

Geogrid

A grid-like structure made from polymers such as polyester or polypropylene. Used primarily for soil reinforcement and stabilization, providing tensile strength in multiple directions.

Geomembrane

A continuous polymeric sheet that serves as a barrier to fluids. Used in containment applications such as lining ponds, landfills, and irrigation canals.