

Geofabric Applications

Road Construction

Purpose: Separation, reinforcement, and drainage.

Description: Geofabric is placed between the subgrade and the aggregate layer to prevent mixing, provide reinforcement, and enhance drainage, increasing the road's lifespan.

Railway Construction

Purpose: Separation and reinforcement.

Description: Used to separate the ballast from the subgrade and to provide additional support and stability to the railway tracks.

Erosion Control

Purpose: Prevention of soil erosion.

Description: Installed on slopes, riverbanks, and shorelines to prevent erosion by stabilizing the soil and allowing vegetation to establish.

Drainage Systems

Purpose: Filtration and drainage.

Description: Geofabric is used in subsurface drainage systems to prevent soil particles from clogging drainage pipes while allowing water to pass through.

Landfills

Geofabric Applications

Purpose: Filtration, separation, and protection.

Description: Used in landfill liner systems to protect the liner from puncture, separate different waste layers, and allow for the filtration of leachate.

Retaining Walls

Purpose: Reinforcement.

Description: Installed behind retaining walls to provide additional support and stability, preventing wall collapse and soil movement.

Green Roofs

Purpose: Filtration and drainage.

Description: Used in green roof systems to retain the growing medium while allowing excess water to drain, promoting healthy plant growth.

Agriculture

Purpose: Weed control and soil stabilization.

Description: Used as a ground cover to control weeds, retain soil moisture, and stabilize soil in agricultural applications.

Coastal and Marine Engineering

Purpose: Erosion control and protection.

Geofabric Applications

Description: Applied in coastal protection projects to prevent erosion and protect structures from wave action and tidal forces.

Sports Fields and Golf Courses

Purpose: Drainage and soil stabilization.

Description: Installed beneath the playing surface to improve drainage and stabilize the soil, ensuring a durable and playable surface.

Bridges and Culverts

Purpose: Separation and reinforcement.

Description: Used to separate and reinforce the layers beneath bridge abutments and culverts, preventing soil erosion and settlement.