

TECHFAB INDIA

At the Heart of Geosynthetic Activity

TechDrain

DRAINAGE COMPOSITE

TechDrain Drainage Composite

Drainage plays a critical role in the design and construction of most of the civil engineering applications. Without proper drainage, groundwater seepage may cause hydrostatic pressure and leakage, resulting in structural damage. So Techfab India has developed an innovative product used in the major application areas for Drainage, namely TechDrain – Drainage composite.

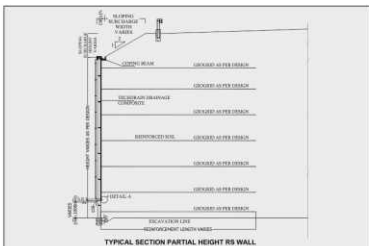
Techdrain drainage composite which is a geo-composite, subset within the family of geosynthetic material. They are used as composite component in hydraulics as well as in environmental, geotechnical, and transportation applications.

With the help of Techdrain drainage composite, one can gather the required features of all the materials for a common problem solution in a very effective manner. The main objective of geocomposite material, is to combine the best features of different materials in such a way that specific problems are solved in optimal manner providing optimum performance and minimum cost.



TechDrain Drainage Composite In Action

TechDrain Drainage composites are prefabricated subsurface drainage products which directly replaces the granular drainage layer. They normally consist of a polymer core sheet core covered by a geotextile acting as a filter and separator on one or both sides. This allows water to pass through into the polymer core but prevent the soil to washing through. TechDrain's multi-directional flow design allows a continuous path for water discharge, eliminating the potential for hydrostatic pressure build up. It allows water to pass freely into the drainage core, where it is gravity fed into the main drainage collection system.



Advantages of Techdrain Drainage Composite

- Prevents the intermixing of the backfill soil with filter media, thus avoiding the clogging of the filter media
- Easy to install therefore allows fast construction
- Cost effective and technically superior/equivalent measure
- It's multi-directional flow design allows a continuous path for water discharge, eliminating the potential for hydrostatic pressure build-up which increases service life.
- It can be used to engineer efficient and economic solutions by minimizing aggregate requirement.

Application of Techdrain Drainage Composite

- Roads, Rail tracks and airfields
- Parking lots, hard standages, container yard
- Factory and warehouse floors
- Reinforced soil walls, bridge abutments, basement walls
- Embankments, slopes, soil-nail walls
- Leachate collection and leak detection system in landfills
- Landscaping and site grading works
- Flyash ponds and dykes
- Tunnels and underground structure



Subsurface Drainage of Highways



Canal Lining



RE Wall



Gardening

Highlights of Techdrain Drainage Composite

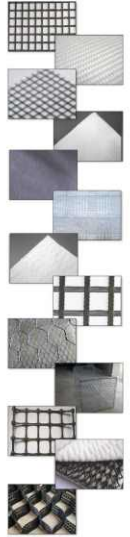
- Remarkable integration with full-fledged production with in house lines under one roof for: PP Staple fiber, Nonwoven needle punch geotextile, 2D & 3D geonet
- In house testing Laboratory for Long term flow apparatus for testing transmissivity under ASTM D4714 and ISO 12958
- 4m width or shorter width also available
- Roll length available in 25m / 50m / 100m
- NABL and GAI-LAP certified Laboratory
- Can dispatch large quantities in short period of time
- Consistent and assured product quality
- End Users: MES, AAI, CIDCO, NRRDA, NHAI

We can assist design your imagination to work wonders on the foundation of excellence. Given a chance, we can prove our value for your company by producing and delivering quality products. Our aim is to provide outstanding Geosynthetic products, technical assistance and unsurpassed service that together, deliver premium value to our customer. We reinforce our values everyday through our people, our brands, our innovation and our performance.

About TechFab India Industries Ltd

TechFab India was founded in 2003 with the objective of providing world class geosynthetic products and services to serve the needs of infrastructure development in India. From a modest beginning with the setting up of a manufacturing facility for woven geotextiles in Silvassa, we have rapidly grown to become the largest manufacturer of geosynthetics in India. Today we manufacture a wide range of products at our factories in Silvassa and Daman. Details are as under:

- ▶ TechGrid - knitted and polymeric coated PET Geogrids (CE and BBA Marked)
- ▶ TechGrid TS- Geogrid Strip
- ▶ TechGrid PP Biaxial Geogrids
- ▶ TechFab Geocells
- ▶ TechDrain Drainage Composite (CE Marked)
- ▶ TechDrain - PVDs (CE Marked)
- ▶ TechGeo Needle Punched Nonwoven Geotextiles (CE marked / AASHTO NTPEP qualified)
- ▶ TechPave (Nonwoven Paving Fabric)
- ▶ TFI Woven Geotextile
- ▶ TechFab Metal Gabions
- ▶ TechGlass - Glassfibre Geogrid with modified Bitumen Coating
- ▶ TechGlass AIC (Asphalt Interlayer Composite)
- ▶ TechGlass Composite - Polyester Geocomposite
- ▶ TechTube Geotextile Tubes, Geotextile Bags etc.
- ▶ TechFab Geostraps
- ▶ PP Staple Fiber



World-class Geosynthetics Manufactured in India by TechFab India Industries Ltd.

TFI Woven Geotextiles		TechGrid Geogrids	TGC Reinforced Nonwoven Composites	TechDrain PVDs & Drainage Composite	TechGlass AIC	TechGlass Geogrids	TechGeo Nonwoven Geotextile TechPave	TechFab Metal Gabion Double twist wire mesh products	TECHTUBE & Geotextile Bags	TechFab PP Biaxial Geogrids	TechFab Geostraps	TechFab GeoCell
Polypropylene Multifilament	Polyester Multifilament											

TechFab In House Laboratory is accredited with ISO/IEC - 17025:2005 NABL & GAILAP



TECHFAB INDIA

At the heart of geosynthetic activity

TechFab India Industries Ltd.

Head Office:

712, Embassy Center, Nariman Point, Mumbai - 400 021, India

• Tel.: +91-22-2287 6224 / 25 • Fax: +91-22-2287 6218

• Email: tfi@vsnl.net / anant@techfabindia.com • Website: www.techfabindia.com

Regional Sales Offices: • Vadodara • Hyderabad • Kolkata • New Delhi

