



# **DYNAMIC**

# **WOOLTEX**

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**MANUFACTURER :**

**NON - WOVEN GEO TEXTILE FABRICS**

# DYNAMIC WOOLTEX

## We are DYNAMIC WOOLTEX.

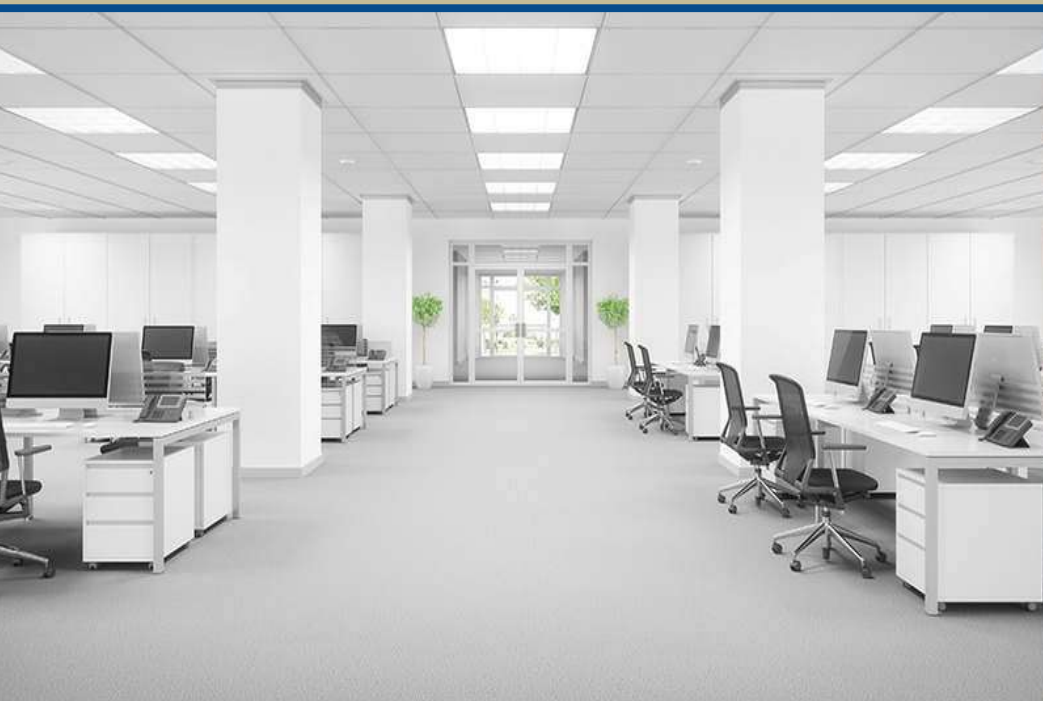
Established in the year 2004, Dynamic Wooltex has been scaling new heights of success in business endeavor's. Under the able headship of Mr. Saurabh Bakliwal, the Director of the organization has given a distinct edge to the company. With his industrious efforts, we are at the apex in the manufacturing of Automotive Non Woven Fabrics, Non woven Filter Fabrics, Geotextile Construction Fabrics, Footwear Fabrics, etc. Today, we stand in the midst of overriding Non woven Fabrics Manufacturers and Suppliers from India.

### Infrastructure

We boast of a sound infrastructural base that is well equipped with latest technology machines and equipment's. Our robust infrastructural base is divided into various sections to assure smooth production. With the help of advanced technology machines, we are able to provide impeccable products within the specified time frame.

### Team

Dedication and passion are the terms that can describe our team of professionals. Our qualified team is well versed with every single aspect of production that helps us in providing flawless products to the market. To keep the team abreast with the ever-changing market requisites and enhance the skills, various training sessions are conducted by the company.



# DYNAMIC WOOLTEX

Welcome to the Dynamic Wooltex

## Leading Geotextile suppliers in India

- **Dynamic Wooltex** is top quality manufacturer and also vendor of Geosynthetic items which holds a good market existence considering that its establishment in the year 2004. In an extremely brief period of time **Dynamic Wooltex** emerged as a leading brand in geotextile section around the world.
- **Dynamic Wooltex** has production capacity with 3 production lines for a maximum size up to 4.5 meters.
- **Dynamic Wooltex** is an organization substantiated of this really viewpoint, making use of state-of-the-art modern technology, process as well as infrastructure, combined with world class specialists as well as personnel's.
- **Dynamic Wooltex** is devoted to supply its competence through its quality products in Civil engineering applications, Environmental security job and also various Industrial applications.
- **Dynamic Wooltex** is committed to supply top quality Technical Textiles to satisfy today's advanced engineering requirements for Stabilization, Separation, Filtration, Reinforcement, Drainage as well as Erosion control.
- **Dynamic Wooltex** has already begun intensively to connect the benefits of Geosynthetics to Governmental companies, design houses and also having business.



# DYNAMIC WOOLTEX

## Why Dynamic Wooltex

- **Dynamic Wooltex** is a leading manufacturer and exporter of Non Woven fabrics, Non Woven Geotextile, Shoes Fabric etc. Our right business ethics assist us to stand among the leaders of this domain. On the grounds of our integrity, we have achieved ISO 9001:2015 Certification. We always strive for growth and development.
- **Dynamic Wooltex** emerged as a leading brand in geotextile, construction industry, footwear industry, automotive industry & medical applications section around the world.
- **Dynamic Wooltex** is currently the benchmark for the market with its ingenious products created with the world class facilities.
- **Dynamic Wooltex** items are mostly differentiated for its superior QUALITY together with efficient technological services.
- **Dynamic Wooltex** works with 360" improvement basis, all we indicate is shortest lead time as well as better adaptability in line of product to meet the expanding need as well as transforming needs.
- **Dynamic Wooltex** serves with unrivalled high quality, dedicated labor force in order to accomplish 100% client contentment.
- **Dynamic Wooltex** have provided its products to various tasks with different application areas to leading organizations.



# DYNAMIC WOOLTEX

## Uses of Geotextile in Construction

The scope of geotextile in the engineering field is very vast. The application of geotextile is given under the heading of the nature of work.

### 1. Road Work

Geotextiles are widely used in the construction of the road. It reinforces the soil by adding tensile strength to it. It is used as a rapid de-watering layer in the roadbed, the geotextiles need to preserve its permeability without losing its separating functions.

### 2. Drainage

The use of geotextiles to filter the soil and a more or less single size granular material to transport water is increasingly seen as a technically and commercially viable alternative to the conventional systems. Geotextiles perform the filtering mechanism for drainages in earth dams, in roads and highways, in reservoirs, behind retaining walls, deep drainage trenches, and agriculture.

### 3. Agriculture

It is used for mud control. For the improvement of muddy paths and trails those used by cattle or light traffic, nonwoven fabrics are used and are folded by overlapping to include the pipe or a mass of grit



The most common applications of geotextiles in pavements and drainage include:

- Surface layer reinforcement  
Rehabilitation of old pavement surfaces, crack treatment, or sport repairs
- Encapsulation/separation  
Drainage, water control, clogging prevention, and moisture control.



## Applications of Non-Woven Geotextiles

- Asphalt overlay
- Erosion control
- Environmental engineering products
- Sediment dewatering bags
- Coastal protection
- Subsurface drainage
- Landscaping
- Landfills



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## Geotextile Bag

Geotextile Bag with high tensile strength, strong seam, high loading capacity and appropriate textile texture for engineering application. Its size and design can be customized to satisfy the desired purpose. These are sewed by skilled technicians with thread of durable yarns. This ensures the overall product quality and performance. The materials used for fabrication are mainly polypropylene or polyester woven Geotextiles. These bag are composed of durable Woven Geotextiles, strong handler loop, and appropriate sewing thread and it can be produced in different design for different requirements.

Some major Applications area is:

- Riverbank Revetments & Floods Protection
- Hydraulic Erosions
- Reinforcing shoreline structure
- Coastal Reclamation

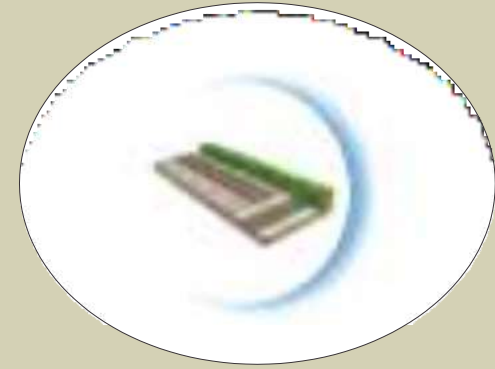


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## Reinforcement

- 1 Segmental Precast concrete Panel Facing
- 2 Cast -in-place Concrete Facing
- 3 Modular Block Facing
- 4 Gabion Facing
- 5 Wrap Around
- 6 Wire Mesh Facing



## Other Applications

- 7 Basal Reinforcement of Railway
- 8 Monitoring System
- 9 Payment Reinforcement
- 10 Waste Landfill
- 11 Rainwater Harvesting System
- 12 Ecological Pond



## Erosion Control

- 13 Geomat
- 14 Rectangular Pyramidal Geomat
- 15 High Strength Geomat



## Shore Protection

- 16 Ecological Tank
- 17 Geotextile Tube
- 18 Geotextile Mattress
- 19 Sand Bag
- 20 Modular Block
- 21 Masonry Block
- 22 Riparian Tank
- 23 Gabion with Geotextile Bag
- 24 Reinforced Levee



## Landscape

- 25 Footpath Pavements
- 26 Landscape Facility

# DYNAMIC WOOLTEX

## DRAINAGE

Uncontrolled and unchanneled water can damage pavements, undermine foundations and cause slopes to fail. Drainage systems with our geotextiles provide excellent drainage of surface and ground water

The excellent filtration capacity of our geotextiles makes them an excellent choice as filtration allows an unimpeded long term flow of water across them while preventing soil migration.

The critical geotextiles properties to be considered are :-

- # A fine pore size, to retain soil fines
- # High permeability to allow unimpeded waterflow
- # High porosity, to prevent clogging
- # Good puncture resistance and tensile strength to survive loads.



## Geotextile for Tunnel Waterproofing

The ability of a geotextile filter to allow the passage of water yet still prevent intermission of stone and soil has meant these filter/separators are being used every day around the world.

The uses and products have expanded over the years as technologists and engineers have innovated and exploited the unique properties of the products that have been developed and refined geotextile are now used in tunnel waterproofing.

In this case the waterproofing involves a geotextile and a membrane, which are put in place during the final phase of the works.

The geotextile performs two primary functions:

- 1) Protection of liner from abrasion and puncture by protrusions from the base surface of tunnel wall.
- 2) The in plane permeability of geotextile allows drainage of water seeping through the rock and sprayed concrete layer to a subsurface drainage collection system from where it is directed away from the tunnel.
- 3) Our geotextile is resistant to acids and alkaline present in the water.



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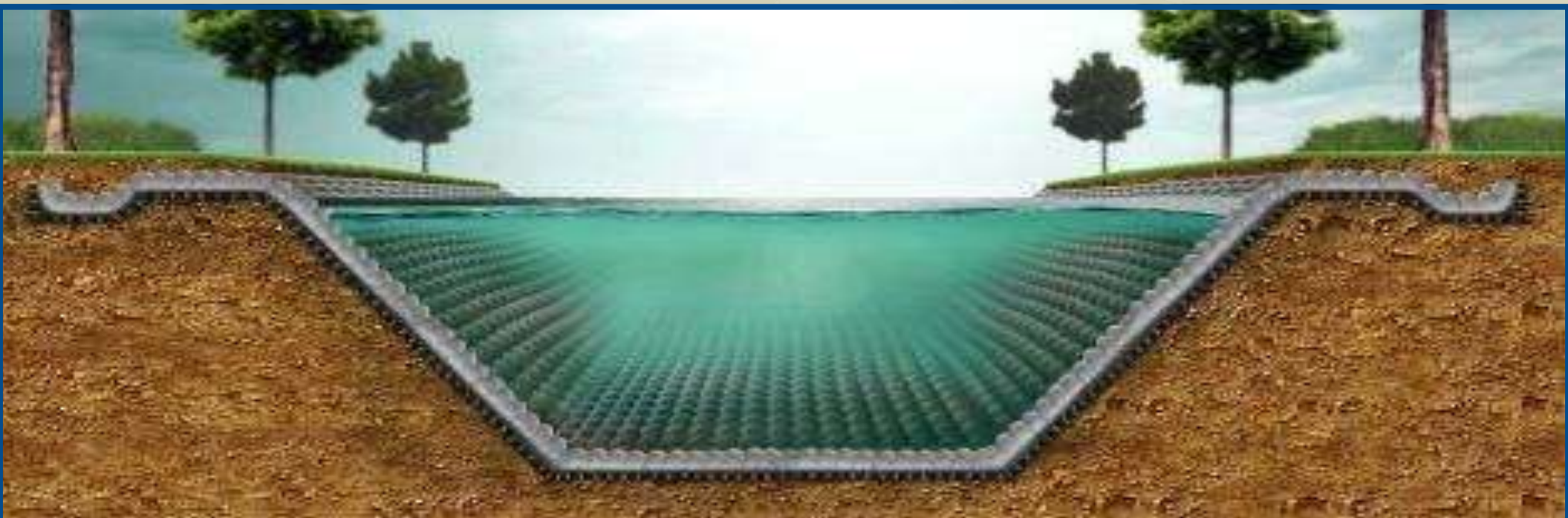
## Railway Works

Our Geotextile are used to separate the soil from the sub-soil without impeding the groundwater circulation where the ground is unstable. Enveloping individual layers with fabric prevents the material from wandering off sideways due to shocks and vibrations from running trains.



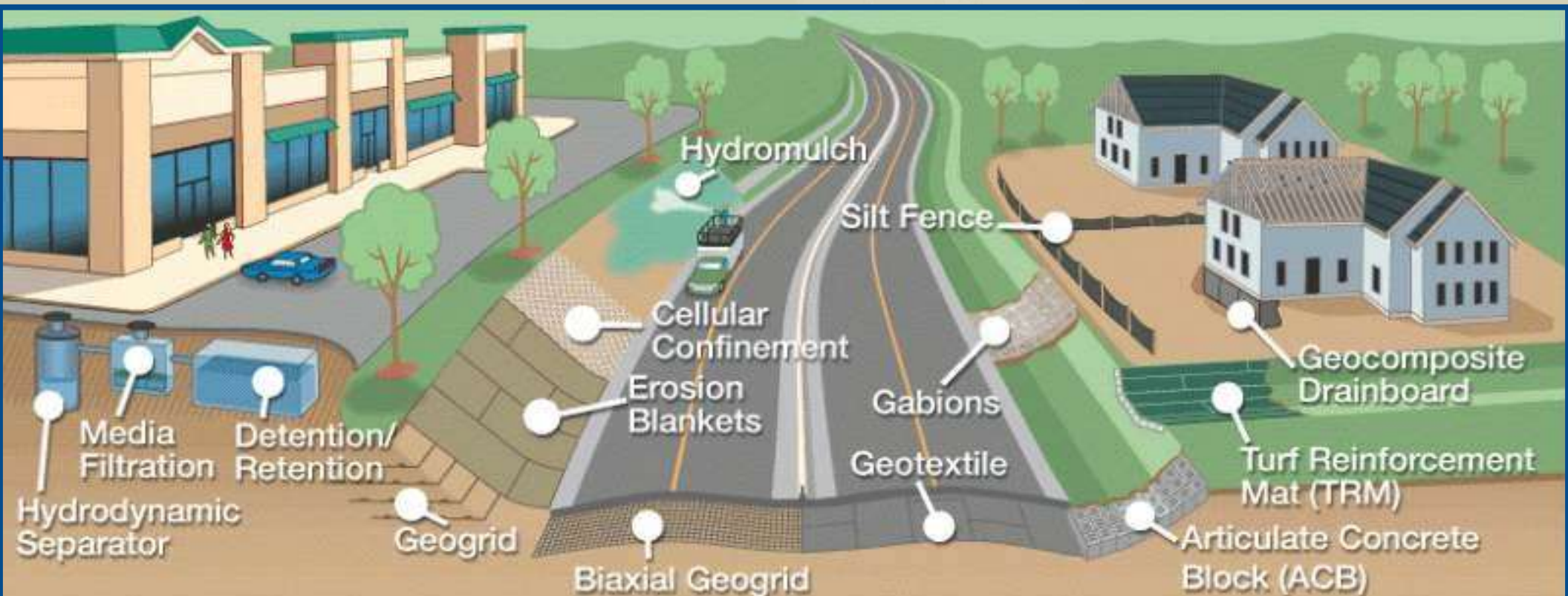
## River, Canals and Coastal Works

Geotextiles protect river banks from erosion due to currents or lapping. When used in conjunction with natural or artificial enrockments, they act as a filter.



## Some of the applicable areas are:

- Between subgrade and stone base in unpaved and paved roads and airfields.
- Between subgrade in railroads.
- Between landfills and stone base courses.
- Between geomembranes and sand drainage layers.



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## LIST OF LABORATORY TESTING EQUIPMENTS

SI No	Name of the Equipment / Machine	Qty(Nos)
1	MASS PER UNIT AREA	1
2	THICKNESS	1
3	GRAB TENSILE STRENGTH	1
4	TENSILE STRENGTH	1
5	ELONGATION @ BREAK	1
6	TRAPEZOID TEAR STRENGTH	1
7	(CBR) PUNCTURE STRENGTH	1
8	GSM TESTER	1
9	UV WEATHEROMETER	1



# DYNAMIC WOOLTEX

## Protection:

For protection, geotextiles can be used to absorb stress and thus reduce or prevent damage and erosion in geotechnical structures.

Embedding geotextiles in construction can help prevent significant damage, like soil erosion and wind damage.

## Sealing:

A geotextile fabric can be filled with asphalt or other mixes to make it impermeable, thereby making it capable of stopping the flow of water in both directions. Geotextiles can be used to prevent contamination of soil or groundwater from pollutants above.

## Reinforcement:

When a geotextile is introduced in the soil improvement, it's design is Based on factors such as :

- Friction or movement restraint
  - Support of loads
  - Changes in bearing failure plane
- Geotextiles are also used on dams and roads being built over poorly graded soils to allow for the steeper embankment.

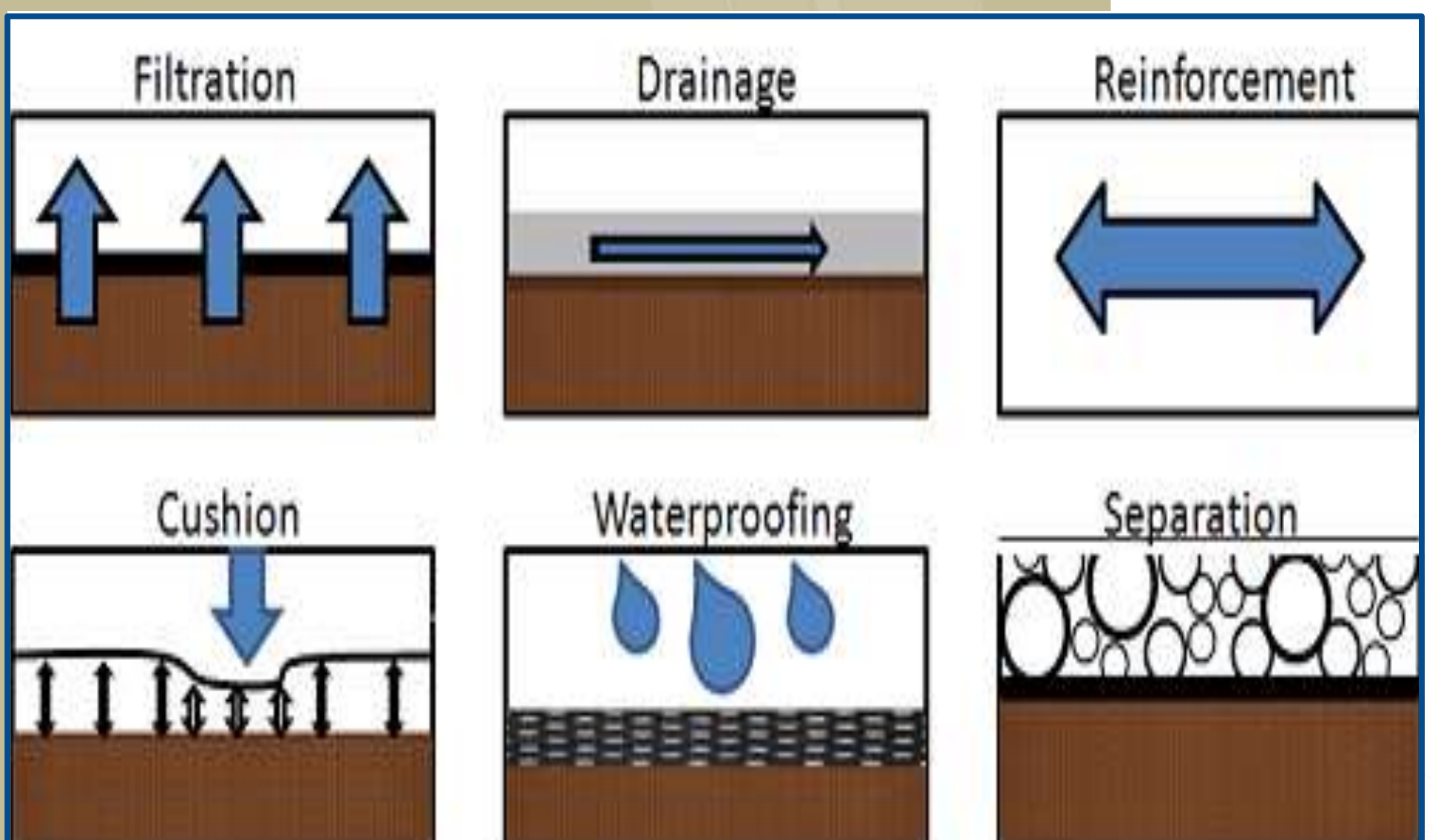


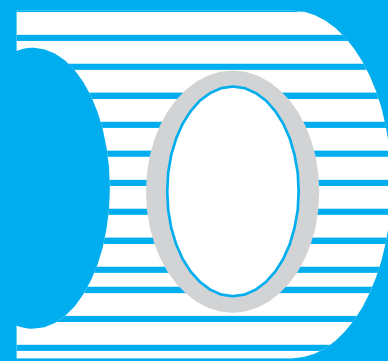
## Filtration:

For filtration, geotextiles are used to allow water to move in both directions in a drainage system and can be used to prevent fine aggregates from moving between soil layers.

Geotextiles can be used in both vertical and horizontal applications to help solve drainage problems around the home and along the

road.





## **DYNAMIC GROUP OF INDUSTRIES**

### **QUALITY ASSURANCE**

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