VIRENDERA® TEXTILES

A COMPLETE HOUSE OF GEOSYNTHETICS

Manufacturer, Supplier & Exporter of All Types

• Woven & Non-Woven Geotextiles • Geocomposite/ Salt Barrier • VITRO Geostrip • Geocell • PP Biaxial Geogrid
• Dimple/ Protection Boards • HDPE Self Adhesive Sheet • HDPE Sand Coated Sheet • Drain Boards • Drainage Board
• Grass Pavers • Draincells • Geobags • Geotubes • Fiberglass Mesh • HDPE/ LDPE Sheet • Separation Membrane
• Canal Lining • Coir Fiber Blanket/ Coir Mat • Jute Geotextile • Gunny Bags • Artificial Grass • Filter Cloth • Canvas

OUR PRESENCE : NOIDA • USA • MUMBAI • PUNE • BIHAR • ASSAM

ABOUT US

VIRENDERA TEXTILES was incepted in the year 1981 with the aim of providing a complete range of technical and industrial textile products. It is an ISO 9001:2015 certified company & a member of Indian Technical Textile Association (ITTA). We are one of the leading manufacturers, suppliers & exporters of Geotextiles, Geocomposite, VITRO Geostrip, Geocell, PP Biaxial Geogrid, HDPE self-adhesive, HDPE Sand coated, HDPE/ LDPE Sheet, Dimple Board, Drain Board, Drainage Board, Grass Paver, Drain Cell, Coir Mat, Jute Geotextile, Geo bag, Geo Tube, Geo Mattress & PP Rope Gabion in the country. The company gives out its best quality geosynthetic products to a number of clients in India and the international market. We have a fully automatic plant with all the modern machines, testing equipment & infrastructure facilities spread over more than 7 lakh sq. ft. covered area. Virendera Textiles is engaged in manufacturing, supplying, and exporting a wide product range which has rendered the company a respected name in its sphere.

At VIRENDERA TEXTILES, we take pride in our unwavering commitment to excellence. With a proven track record spanning the globe, we have successfully delivered our material to more than 1000 clients, showcasing our expertise, dedication, and passion for achieving exceptional results. Our mission is to continue exceeding expectations, innovating, and making a lasting impact on every project we undertake. Join us in our journey of excellence.

Virendera Textile is the only company in India having a manufacturing facility of 7-meter wide Nonwoven Geotextile.

THE WIDEST RANGE OF GEOSYNTHETIC PRODUCTS FOR ALL CONSTRUCTION NEEDS

- Geotextile - Polyester & Polypropylene (Woven and Non – Woven)
- Geocomposite (VTGC FINDRAIN)
- Vitro Geostrip
- Geocell (VT GEOCELL)
- PP Biaxial Geogrid
- HDPE Self Adhesive
- HDPE Sand Coated
- Jute Geotextiles (VT JGT)
- Dimple Boards / Protection Board
- Drain Boards / Drainage Board
- Draincells / Roof Garden Cells
- Geo Bag
- Geo Mattress
- Geo Tube
- PP Rope Gabion
- LDPE / HDPE Plastic Sheets / Separation Membrane / Pond liner / Canal Liner
- Coir Mat
- Grass Pavers
- Fiberglass Mesh
- Artificial Grass
- EPDM Sheet
- Dowel Bar Cap
- Filter Clothe
- Filter Bag

Industry	Waterproofing	Landscape	Highway	Tunnel	Railway	Irrigation & Water Resources Dept./ Dam
Product	• HDPE Sand Coated • HDPE Self Adhesive • SPB Geotextile • Nonwoven Geotextile • Drainage Board • Dimple Board • Protection Board • HDPE Sheet • Fibre Glass Mesh	• Drain Board • Drainage Board • Drain Cell • Grass Paver • Geotextiles • HDPE Pond Liner • PP Biaxial Geogrid	• Geotextiles • Geo-Composite • Vitro Geostrip • Separation Membrane • Geocell • Coirmat • Jute Geotextile JGT • Dowel Bar Cap • PP Biaxial Geogrid	• Geotextiles, • Dimple Board, • Protection Board • Drain Board • PP Biaxial Geogrid	•Geotextiles •Vitro Geostrip •Geocell •Coirmat •Jute Geotextile •PP Biaxial Geogrid	• Geobag • Geotube • PP Rope Gabion • Nylone Crate • EC Bag • PP Biaxial Geogrid
Usage	Waterproofing Reinforcement Protection & Drainage Liquid Water Proofing	Drainage Filtration & Paving Artificial Lake Pond Lining Land Fill	Drainage for RE wall & Bonding of Panel Separation on PQC, Slope Protection & Erosion Control	Drainage Protection of Waterproofing and structure	Drainage slope Protection Erosion Control	River Bank Protection Erosion Control

SOME OF OUR PRESTIGIOUS CLIENTS

WOVEN GEOTEXTILE

Woven Geotextiles are made from weaving high-tenacity PP & Polyester and multifilament yarn. We manufacture this fabric using fully automatic Dornier Looms at our ISO 9001:2015 certified automatic plant in Noida. We manufacture polypropylene woven geotextiles with tensile strength extending up to 300 kN/m and polyester woven geotextiles with tensile strength expanding up to 900 kN/m.

Width

We can manufacture Geotextiles up to 5 mtr in width. Geotextile Bags & Geotextiles Tubes are made from the above Woven Geotextile as per one's needs and specifications.

NON-WOVEN GEOTEXTILE

Non - Non-woven geotextiles are made by needle punch, thermal, or chemical bonding. Fibres are carded and needles punched & then bonded thermally to form nonwoven fabrics. The process involves the manufacturing of nonwoven fabric from polyester or PP fibers. We can manufacture from 15 GSM up to 2000 GSM. The Non-Woven Geotextile fabric maintains a uniform settlement of the subgrade and hence improves the subgrade strength and the longevity of the system.

Width

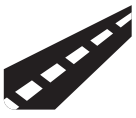
We can manufacture Non-Woven Geotextile up to 7 meters in width. We also manufacture Geo Bags made from these Non-Woven Geotextiles as per our customers' needs and specifications.

SPB 04/ CPT 05 Geotextile is used for sandwich coating with acrylic rubber coat chemical.

APPLICATION AREA OF GEOTEXTILE

Landscaping & Waterproofing

Erosion Control



Roads and Highways

Paved & Unpaved Surfaces

Golf courses

Terrace Garden

Dams and Canals

Sports Field

Horticulture

Industrial Buildings

Airports & Runways

Tunnels

GEOTEXTILE FOR RAILWAY

GEOTEXTILE FOR TUNNEL

GEOTEXTILE FOR SLOPE AREA

DIMPLE/ PROTECTION BOARD

Dimple Board is manufactured from High Density Polyethylene (HDPE). It is lightweight, flexible, strong, durable, non-toxic, and comes with different dimple heights. It is impermeable to water and water vapor. It is used for protecting the waterproofing membrane in basement walls & tunnels. dimple board also known as protection board.

• It is used on the retaining wall to protect the waterproofing against mechanical damage that may occur during backfilling and then from chemicals in the ground.

• It is recommended to use the product in order to protect the waterproofing and thermal insulation systems applied at curtain wall insulation of the buildings.

• The air between the bubbles enables the curtain wall to breathe and hence provides air circulation and can be used as curtain wall insulation.

Application Area of Dimple / Protection Boards for water proofing

Basement

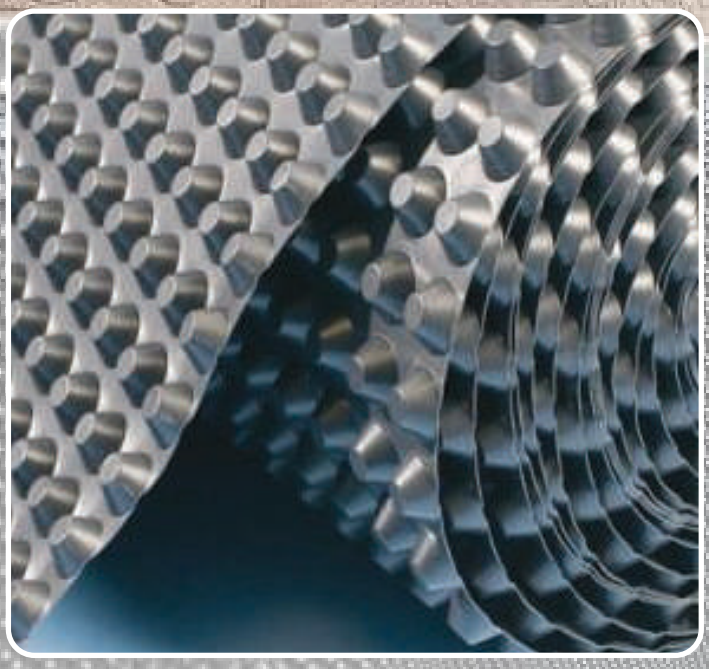
Retaining Wall

Tunnels

Metro

Advantages

- Dimple Boards provides a low-cost alternative and faster application for waterproofing protection.
- The dimple design creates an air gap between the foundation wall and damp soil keeping moisture away from touching the wall.
- The air between the bubbles provides better drainage.
- The number of bubbles provides the equal distribution of load allowing the reduction of point load.
- It is a very economical and faster method for protecting & Drainage the water landscaping & waterproofing areas.
- The installation process is very easy as it can be kept in different types of areas.



We manufacture Dimple / Protection Board Height of – 08, 10,13, 20 & 25

- Dimple Board 08
- Dimple Board 10
- Dimple Board 13
- Dimple Board 20 mm
- Dimple Board 25 mm

Accessories

VTN - Self Adhesive Nail for Dimple Board & Drainage Board Application

VTS/VTW - SAND COATED HDPE MEMBRANE

Virendera Textiles® VTS/VTW Sand Coated HDPE Membrane is a unique, high-performance, flexible High- Density Polyethylene (HDPE) sheet with one side pre-applied pressure sensitive adhesive and a reactive inorganic fine granule layer on it, manufactured and supplied in thickness of 1.2 mm, 1.5 mm, 1.8 mm & 2.0 mm, designed for waterproofing basements and podiums of new buildings. The membrane is designed for adhesion to RCC for easy application below rafts and reinforcements.

Based on advanced polymer chemistry, the membrane has excellent resistance to chemical acids, bases, alkalis, salts, and other corrosive materials, while providing a barrier to water seepage from below ground. The sheet remains flexible over the years, maintaining its integrity and continuing to provide protection.

High mechanical properties of the membrane ensure superior puncture resistance, and breaking and tearing strength while enabling excellent heat weld for fusion along the edges.

• We manufacture VTS Sand Coated HDPE Membrane in thickness of 1.2mm, 1.5mm, 1.8mm & 2.0mm

Product Code	Roll Size
VTS1.2	2.4m x 20m
VTS 1.5	2.4m x 20m
VTS1.8	2.4m x 20m
VTS 2.0	2.4m x 20m

Features & Benefits

- Supplied in pre-manufactured standard thickness. No need to worry about thickness variation at the site, unlike liquid-applied systems.
- Outstanding puncture resistance, high breaking and tearing strength, with very high peel strength of seam joints and heat welds
- Chlorine-free, plasticizer-free, phthalate-free. Environmentally friendly and safe for humans.
- Resistance to root penetration, suitable for green roofs
- ·Continuous serviceability from -30°C to 100°C - without cracking, tearing, or brittleness failure.

Applications Area

Basement Waterproofing

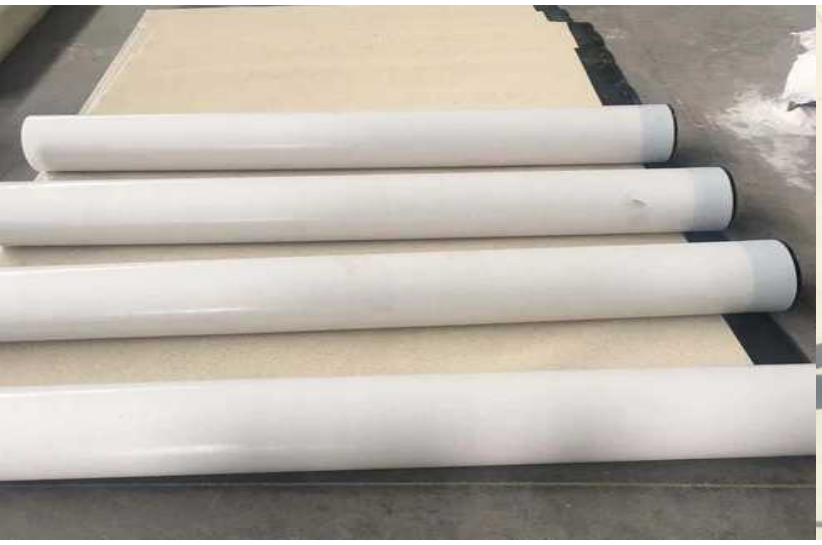
RCC Podiums

Car Parks

Underground Metro Stations

Roads & Bridges

Tunnels



VTR - FULLY SELF ADHESIVE HDPE MEMBRANE WITH PSA & LINER

Virendera Textiles VTR-Fully Self Adhesive HDPE Membrane is a high-performance, flexible High-Density Polyethylene (HDPE) sheet with a one-sided pre-applied adhesive layer and release liner, manufactured and supplied in thickness of 1.2 mm, 1.5 mm, 1.8 mm & 2.0 mm designed for waterproofing basements and podiums of new buildings. The membrane is designed for adhesion to RCC for easy application below rafts and reinforcements.

Based on advanced polymer chemistry, the membrane has excellent resistance to chemical acids, bases, alkalis, salts, and other corrosive materials, while providing a barrier to water seepage from below ground. The sheet remains flexible over the years, maintaining its integrity and continuing to provide protection.

High mechanical properties of the membrane ensure superior puncture resistance, and breaking and tearing strength while enabling excellent heat weld for fusion along the edges.

• We manufacture VTR - Fully Self Adhesive HDPE Membrane in thickness of 1.2mm, 1.5mm, 1.8mm & 2.0mm

Product Code	Roll Size
VTR1.2	2.4m x 20m
VTR 1.5	2.4m x 20m
VTR1.8	2.4m x 20m
VTR 2.0	2.4m x 20m

Features & Benefits

- Supplied in pre-manufactured standard thickness. No need to worry about thickness variation at the site, unlike liquid-applied systems
- Outstanding puncture resistance, high breaking and tearing strength, with very high peel strength of seam joints and heat welds
- Chlorine-free, plasticizer-free, phthalate-free. Environmentally friendly and safe for humans.
- Exceptional resistance to heat, UV, Ozone, bacteria, chemical, acid corrosion
- Resistance to root penetration, suitable for green roofs
- Continuous serviceability from -30°C to 100°C -without cracking, tearing or brittleness failure.

Applications Area

Basement Waterproofing

RCC Podiums

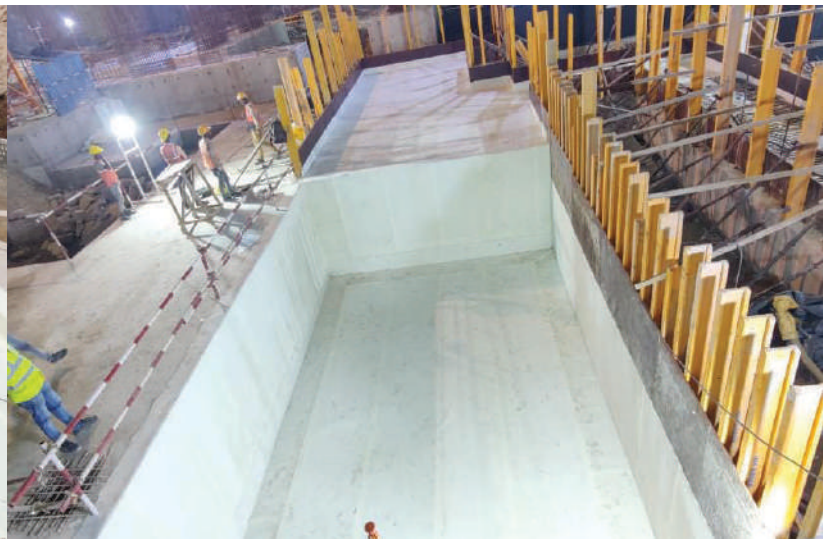
Car Parks

Underground Metro Stations

Roads & Bridges

Tunnels

Vertical Application of VTR Fully Self Adhesive HDME Membrane



DRAIN/ DRAINAGE BOARDS

A Drain Board is a nodular HDPE Sheet where Geotextiles are thermally bonded on either side of the nodular sheet. They are specially designed to be used in Planter Boxes and roof Gardens due to their excellent design Flexibility.

Drain / Drainage Boards for Football & Other Sports Ground

Application Area of Drain / Drainage Boards

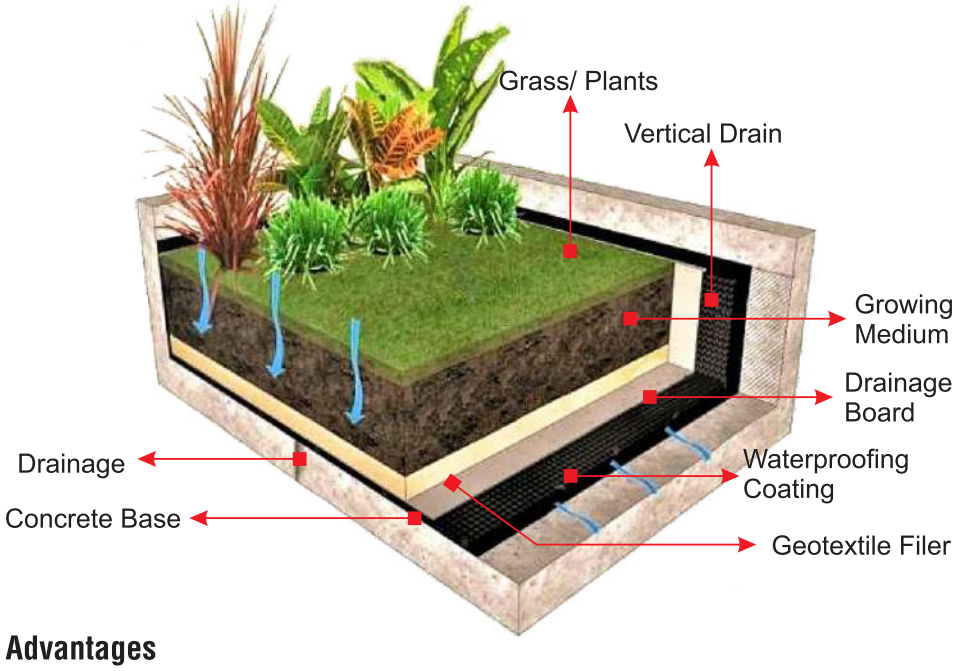
Football Ground & Sports Fields

Planters & Podiums

Terrace Gardens

Landscapes Decks & Agri-Horti Application

Installation of Drain/ Drainage Board in Planter, Roof, Terrace Garden



Advantages

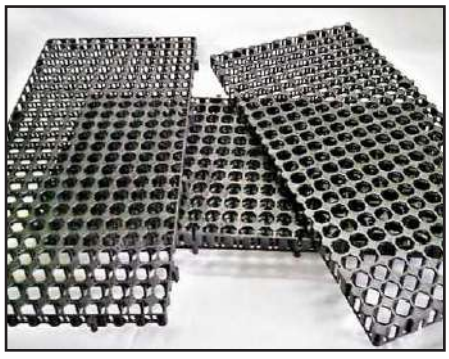
- Drain Boards provides a low-cost alternative and faster installation to waterproofing protection.
- The dimple design creates an air gap between the foundation wall and damp soil keeping moisture away from touching the wall.
- The air between the bubbles provides breathing of the wall.
- The number of bubbles provides the equal distribution of load allows the reduction of point load.
- It is a very economical and faster method for protecting the waterproofing membrane in basement walls.
- The installation process is very easy as it can be kept on different types of areas.

Features of Drain/ Drainage Boards

- Drain Boards are made up of High-Density Polyethylene (HDPE) & Geotextile which is made of PP Fibres.
- Standard Heights of 08, 10, 13, 20 & 25 mm with Compressive Strength from 150 kN to 1500 kN.
- High Compressive Strength Boards
- Tough, Durable & Stretchable modules
- Easy to Install
- Highly resistant to chemicals, micro-organisms, UV radiation, and mechanical damage.

DRAINCELL - FLEXODRAIN & DRAINOMAT

Flexodrain and Drainomat are lightweight, high-strength, high-impact polypropylene modular drainage cells which are especially designed for sub-surface drainage and waterproofing membrane protection. Drain cells offer architects and developers extensive design fixability and have a wide range of applications in the landscape, building, and construction industries. These Drain cells are easy to install by interlocking them horizontally and vertically. Drain cells also act as a protection layer over waterproofing membrane, and also creates a thermal insulation barrier. The open surface design and high internal void volume enables the rapid capture and transport of high water volumes.



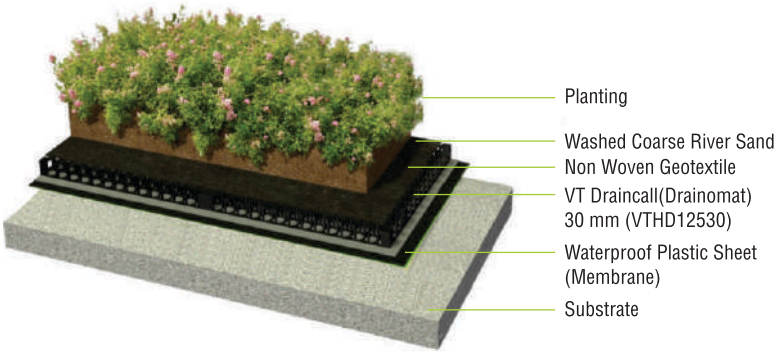
Technical Parameter

FLEXODRAIN		
Product Code	VTFD13	VTFD20
Material	Hi-Impact Polypropylene	Hi-Impact Polypropylene
Dimansion (mm)	500x250x13 610x410x13	500x250x20
Compressive	80 Tons	80 Tons
Strength/ m²	Tested	Tested
weight/ m²	1.2 kgs	1.5 kgs

DRAINOMAT (DRAINCELL)		
Product Code	VTHD12520	VTHD12530
Material	Hi-Impact Polypropylene	Hi-Impact Polypropylene
Dimansion (mm)	500x250x20 500x500x20 610x410x20	500x250x30 500x500x30
Compressive	Above 100 Tons	Above 140 Tons
Strength/ m²	Tested	Tested
weight/ m²	2.0 kgs	2.8 kgs

APPLICATION AREA OF DRAINCELL

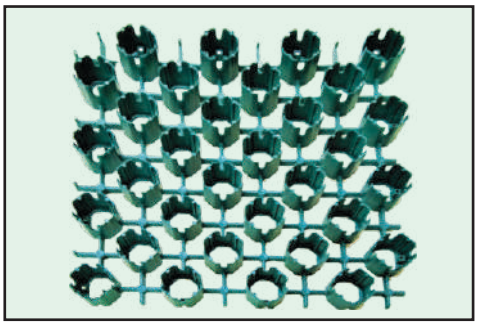
Planter | Roof/ Terrace Garden | Other Green Area



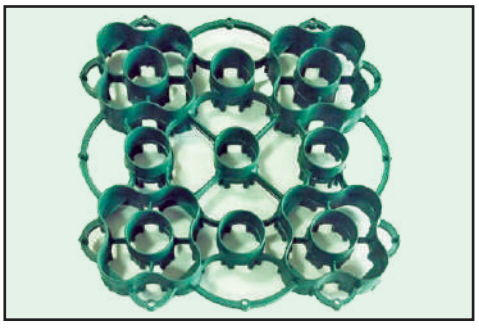
GRASS PAVER

Grass Pavers are environmentally friendly. They are made from UV-stabilized, 100% recycled polypropylene. Grass Pavers are chemically inert and non-toxic. They allow the drainage of stormwater back into the underground soil.

This helps keep your property hydrated and reduces runoff into local sewer systems. Grass Pavers provide simple answers to the complicated problems associated with supplying functional areas while maintaining green space and dealing with stormwater management compliance. The porosity of the pavers eliminates the need for retention ponds, drainage systems, and other expensive means of dealing with runoff always associated with solid paving. Grass Pavers provide the strength of pavement with the natural beauty of grass while simultaneously eliminating soil compaction, reducing reflective heat, and allowing for all-weather accessibility at a very cost-effective price.



VTGP 35/40



VTGPF 35

Technical Parameter

GRASS PAVER

Product Code	VTGP35 (F)	VTGP35	VTGP40
Material	100% Hi-Impact Polypropylene	100% Hi-Impact Polypropylene	100% Hi-Impact Polypropylene
Dimansion (mm)	330x330x35	500x500x35	500x500x40
Compressive Strength/ m²	Above 120 tons	Above 180 tons	Above 180 tons
weight/ m²	2.8 kgs	3.0 kgs	4.0 kgs

Application Area of Grass Pavers

Green Driveway

Event Parking

Fire Engine Access Lanes

Utility And Emergency Access

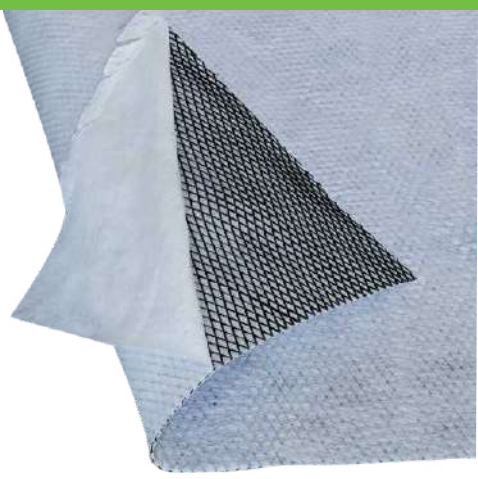
Infiltration Areas

Pedestrian Walkways

For Overflow

Reinforcement

GEOCOMPOSITE (VTGC FINDRAIN/ SALT BARRIER)



Geocomposite is a generic name used to define a Geosynthetic Product consisting of a combination of two or more Geosynthetic materials. The application areas of Geocomposites are numerous and growing steadily. VTGC FINDRAIN is a Geonet – Geotextile, drainage composite for planar drainage manufactured by HDPE Geonet and thermal bonded PP Nonwoven Geotextiles bonded of the geonet. It is durable in both the harsh construction installation phase and aggressive soil pH ranges from 2 - 13. It is used to give excellent lateral transitivity for the transmission of water or other fluids within the plane of the drain. Applications include but are not limited to sheet interceptor drains behind the reinforced wall and reinforced steep slopes, landfill leachate transmission, and collection, and use with multiple layered waterproofing and roof deck drain systems.

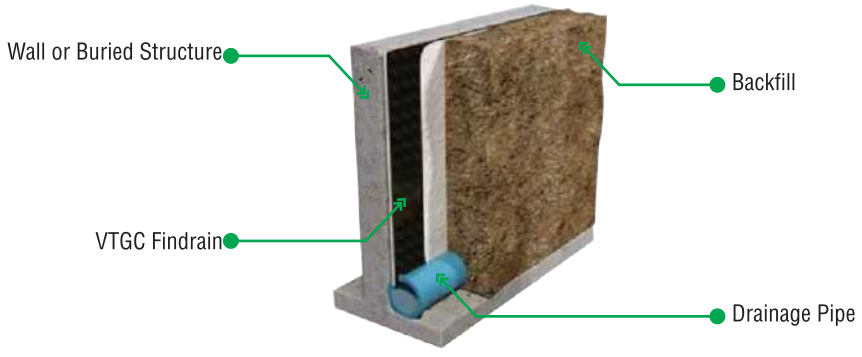
We manufacture both 2D & 3D planner Geocomposites ranging in thickness from 4mm to 10mm.

Advantages of Geocomposite

The geotextile layer at the base acts as a filter. The drainage net will do the function of draining off the water with a geotextile layer acting as a filter which will not allow clogging to occur. A high level of consistency in quality is maintained. Construction is simple as it is very easy to lay the Geocomposite because of control quality. A much thicker drainage layer can be replaced with a thin layer of Geocomposite performing equal or better-required drainage function. Geocomposite is a better and more consistent option for faster economical construction. We are supplying to almost all highway and road construction companies and have also got the approval of NHAI consultants.

Size: GeoComposite (VTFINDRAIN) available in roll form of width-2.1mtr and length – 50mtr.

Applying Method of Geo Composite (VTGC Findrain)



Application Area of Geocomposite

Reinforced

Stadium

Golf courses

Road

Railway

Pond/ Canal Liner

Effluent Treatment Plant

Tunnels

As a Salt Barrier

Landfill

Installation of Geocomposite

GEOCELL

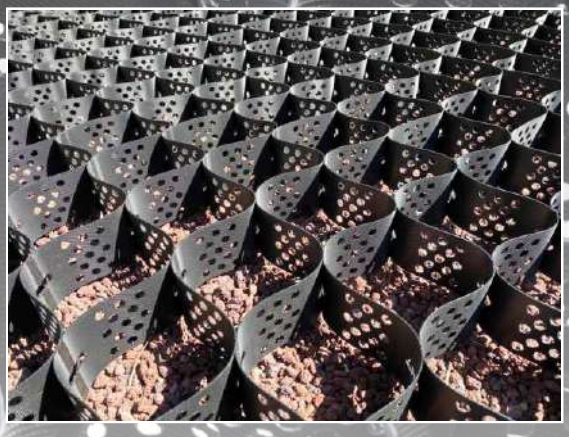
Geocells are widely used in construction for erosion control, soil stabilization on flat ground and steep slopes, channel protection & structural reinforcement for load support, and earth retention. Geocells are geosynthetic made with ultrasonically welded High-Density Polyethylene (HDPE) strips or Novel Polymeric Alloy (NPA) – and expanded on-site to form a honeycomb-like structure – and filled with sand, soil, rock, gravel, or concrete.

APPLICATION AREA OF GEOCELL

- Railway Track
- in Construction of Erosion Control
- Warehouse
- Soil Stabilization on Flat Ground Steep Slope
- Channel Hydraulic Structures Protection
- Multi-Layered Earth Retaining Multi-Layered Water Gravity Retaining
- Container Depot/ Yard
- Reservoir
- Landfill Area

Advantages of Geocell

- Geocell provides effective ground improvement for weak soil foundations.
- By using Geocell, base / sub-base thickness can be reduced for paved & unpaved roads.
- Geocell allows the economic usage of valuable Natural Resources including aggregates, sand, etc., hence providing Cost-effective solutions for geotechnical-related issues such as ground improvement, erosion control, channel lining, etc.
- Economical Solution for the environment as can be Easily Transported as flat stripes & slow down carbon footprint by minimizing logistics.
- Easy to install in any kind of weather condition. Also, they do not entail skilled masons.
- Use of Geocell promotes Green Solution on steep slopes.
- Geocell can be used as reinforcement for reinforced soil slopes.
- Geocells used with filled-up soil can be vegetated for architectural appearance or left as lean concrete.



VITRO GEOSTRIP

Vitro Geostrip are planar structures consisting of a core of high-tenacity polyester yarn tendons encased in a polymer sheath. The stripes are suitable for reinforcement application in combination with concrete wall facing. They are amongst the most tried and tested Vitro Geostrip in the world offering 120-year design life and high performance. The incredibly tough polymer sheath is resistant to physical, chemical, and biological conditions found in reinforced soil structures.

We are manufacturing Vitro Geostrip in different Tensile strengths from 20 kN to 100 kN.

APPLICATION AREA OF VITRO GEOSTRIP

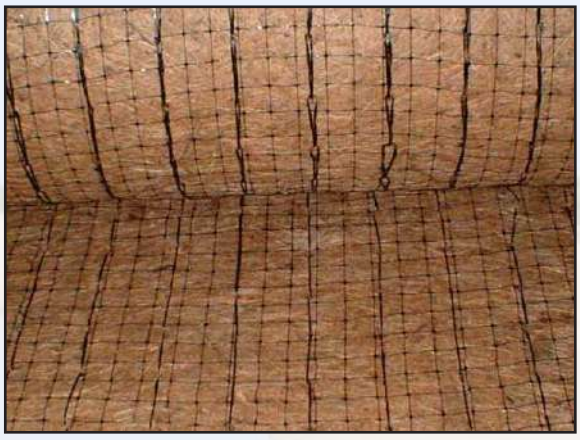
Features

- Standard Tensile strength up to 100 kN or as per end user's requirement.
- Tough, durable polymer sheath & high.
- Modules Low creep characteristics.
- Highly resistant to chemical, micro-organism, UV radiation and mechanical damage.

Advantages

- The Strip system is not erected on all soil slopes.
- Their light weight is very advantageous for transportation and easy installation.
- This system is flexible against design change in accordance with job site conditions.
- Easy to install

COIR FIBRE BLANKET (COIR MAT) & WOVEN COIR GEOTEXTILE



Coir needle-punched Geotextile (Non-Woven Fabric) & Woven Coir Geotextile are made out of 100% Coir Fibre. The fabric is composed of Coir fibre randomly needle punched to the desired degree of compaction. Coir Blankets consist of 100 % untreated coir stitched on one or two sides with Polypropylene (PP) or Jute netting in between PP or Jute/ Cotton thread is used for the stitching. Soil coverage is 100 %.

Durability

Approx. 3 - 5 years depending on temperatures, moisture, soil conditions, pH, etc. We manufacture Coir Mat 300 GSM to 1200 GSM.

JUTE GEOTEXTILE & ENVIRONMENTAL JUTE GEOTEXTILE

Jute geotextiles have been found useful for control of surface soil erosion, construction of embankment on weak soil as well as strengthening road pavement and surface for separation drainage and temporary reinforcement. As a filter, it can be used for the revetment of river and canal banks. The durability of the geotextiles is enhanced with the help of proper chemical treatment. After degradation, it becomes part of the soil and so there is no chance of pollution out of it. It has been observed that the materials performed the geotechnical functions at a lower cost.

We manufacture Jute Geotextile as per RDSO Specification (JGT Type 1, JGT Type II & JGT Type III).

Applications Area of Coir Fibre Blanket (Coir Mat) & Jute Geotextile

Erosion Control

Soil Erosion Control

Landscaping

Re-Vegetation

River Embankments

Stream Bank Stabilization

Advantages of Coir Fibre Blanket (Coir Mat) & Jute Geotextile

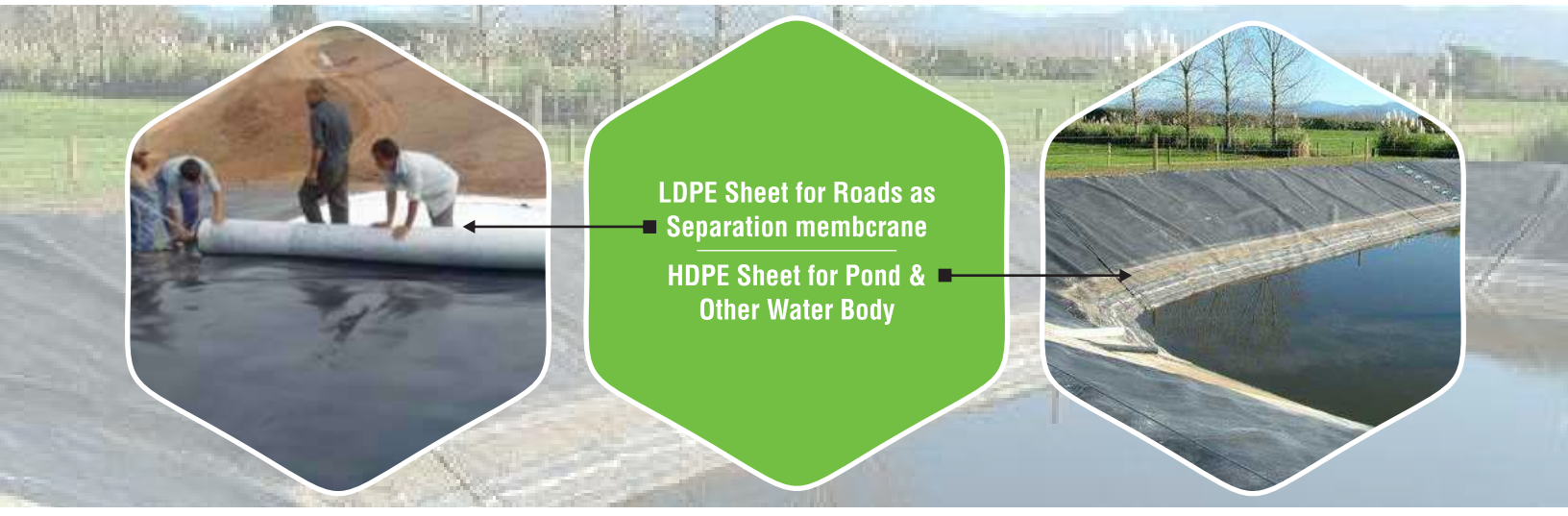
- High Moisture Absorbing Capacity, Flexibility & Abundant in Nature
- Low in Cost When Compared to Synthetic Geotextiles
- Good Drainage Properties
- The Most Important - It is Bio-Degradable
- Promote Vegetarian Growth

HDPE/ LDPE PLASTIC SHEET, POND CANAL LINER, SEPARATION MEMBRANE, HDPE/ LDPE MEMBRANE

We manufacture, supply, and install Geomembrane. We have an extensive range of products, which are most widely used in civil and agricultural fields, irrigation water and solid waste management, fluid conveyance and containment, ash ponds, soil protection and stabilization, landfills closures, ponds and reservoirs, irrigation canals, separation membranes for road and waste treatment plants, we can manufacture width up to 10 meters, between 40-2000 micron.

Separation Membranes

For roads and highways - 125 micron virgin transparent LDPE Sheet for road PQC construction (as separation purpose). We can supply them with up to 10 meters as per customer requirements.



APPLICATION AREA OF HDPE/ LDPE SHEET

Landscaping & Waterproofing

Erosion Control

Roads and Highways

Paved & Unpaved Surfaces

Golf courses

Terrace Garden

Dams and Canals

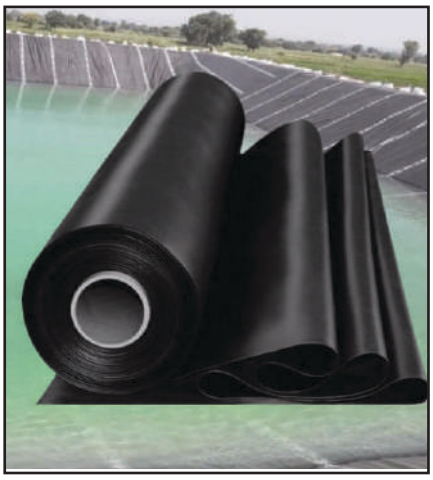
Sports Field

Horticulture

Industrial Buildings

Airports & Runways

Tunnels



CANAL LINING

We make HDPE sheets in Black and White used as canal lining. We can manufacture up to 10 meters in width as per customer requirements.

POND LINER

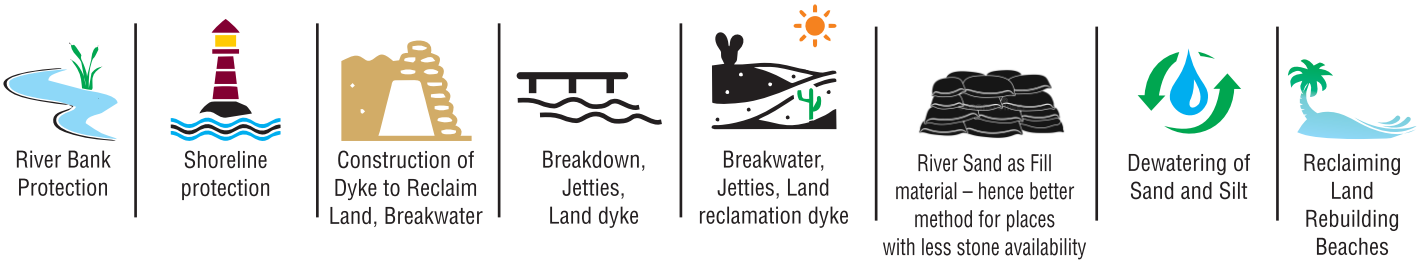
Our Pond Liners are made of superior-quality HDPE material and have a long life. The Pond Liners which we provide are renowned for their easy installation. HDPE liners from 500 to 3000 microns are being used as pond liners.

GEOBAG & PP ROPE GABION

Geo Bags are sand-filled high-strength geotextile bags available in various sizes and are used in Riverbank, Beach Protection, and offshore Breakwater. We make woven as well as non-woven Geo Bags of PP, PET Fiber & Yarn. Woven Geo Bags are made up of High Tenacity Multifilament yarn. Non-woven Geo Bags are made up of PP & PET Fibers. We make Geo Bags of Different Sizes & Various Weights of Geo Textiles as per Customer Specifications & needs.

We have a Monthly Production of 30,00,000 (Thirty Lacs) pieces of Geo Bags of Type A (i.e. size - 1.03mtr x 0.7mtr.) for Assam, (1.00mtrx0.7mtr)for Bihar and 50,000 (FiftyThousand) pieces of PP Rope Gabions. We supply Non-woven Geo Bags in Assam, Bihar, and woven Geo Bags in Uttar Pradesh and other states. Some of the Regular Qualities are 300, 400 & 600 GSM of PP / PET NonWoven Geotextiles and 200 GSM of Woven PP Geo Textile for Uttar Pradesh. We can make Geo Bags of any size and of any quality. We also manufacture Mega Geo Bag & Composite Geobag Type B (2.0mtr x 1.5mtr).

Application Area of Geo Bags & PP Rope Gabions



Advantages

- Durable • Easy to install • Highly Flexible • Cost Effective
- River Sand as fill material – hence better method for places with less stone availability

VT Geo Bags & gabions are the best solution for fighting against the River Flood and Hydraulic Erosion. VT Geo Bags have become very popular as an alternative to conventional hard structures.

GEOTUBES

VT Geo Tubes are large containment systems in tubular forms made from high-strength PP / PET Woven Geotextile. Geotextile Tubes are filled by the hydraulic pumping of local soil into the prefabricated Geotextile Tube. This leads to a flexible, monolithic, and continuous structure that is highly resistant to water currents. Sand is widely used as the soil in-fill material because of its low compressibility but other hydraulically pumped soil types can be used.

VT Geo Tubes are made up of Geotextiles that have fine pore sizes so that water can easily exit and soil will remain infill in Geo Tube during the hydraulic filling stage. The Geotextile has high tensile strength to enable it to resist the tensile stresses occurring during hydraulic filling and maintain its structure shape. Regular sizes are made in lengths of 5, 10, 15, 20 & 30mtr, and Dia 2.29mtr and 3.0mtr. We can make any size as per the customer's requirement/ specification.

Application Area of Geo Tube & Geo Mattresses

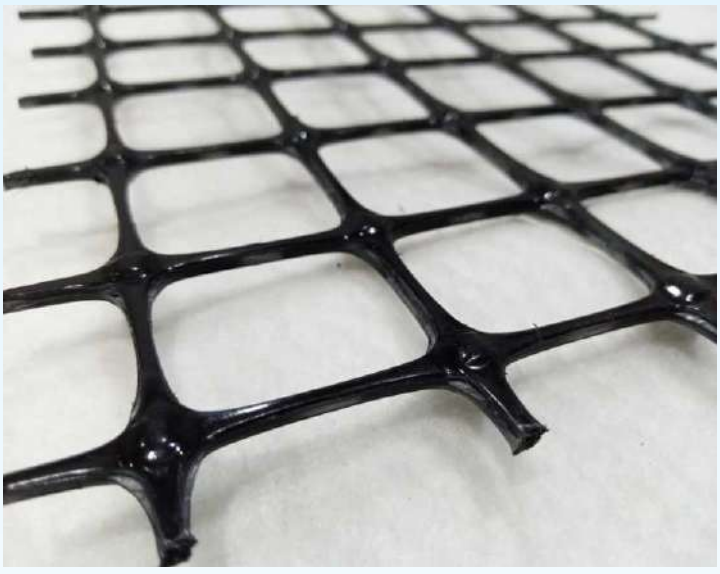
River Bank Protection | Shoreline protection | Construction of Dyke to Reclaim Land, Breakwater | Artificial Island | Breakwater, Jetties, Land reclamation dyke | Dewatering of Sand and Silt | Reclaiming Land Rebuilding Beaches

Advantages of Geo Tube & Geo Mattresses

• Durable • Easy to install • Highly Flexible • Cost Effective

We Also Manufacture Geo Mattresses

VT PP BIAXIAL GEOGRID

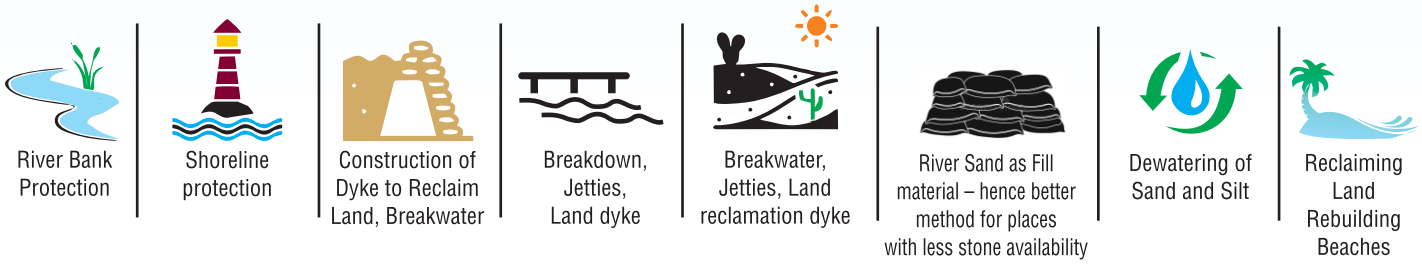


VT PP Biaxial Geogrid is an integrally formed geogrid made from high-quality polypropylene and carbon black. It is produced using a punching and stretching process that enhances lateral confinement, making it ideal for reinforcing weak soils. Its primary role is to provide reinforcement and confinement through its apertures, which allow the surrounding soil and stone to strike through.This geogrid has equal tensile strength in both directions, making it particularly useful in applications where stress is applied from multiple directions. By distributing wheel loads more effectively over reinforced areas, it helps improve stability and load-bearing capacity.

Applications include:

- Stabilizing the subgrade of unpaved roads, highways, airports, and railways.
- Base reinforcement in various infrastructure projects.
- Hardstanding areas, working platforms, and load transfer platforms.
- Stabilization of areas, void spanning, and reinforcement of soil walls and slopes, especially for soft-facing or secondary reinforcement needs.

Application Area of VT PP Biaxial Geogrid



FIBERGLASS MESH

Fibreglass mesh is manufactured by weaving fibreglass yarn. It has excellent properties like high strength alkali resistance, water resistance, thermal resistance rot and mildew resistance, temperature resistance, flexibility, softness, and resistance to aging.

DOWEL BAR CAP

A range of dowel bar debonding caps manufactured from rigid PVC tubes with polyethylene foam fixed into one end to act as a compression Filler, which allows for the expansion of dowel bars in construction joints. It is used for Road construction PQC joint and many more places. We have all sizes up to 36mm.

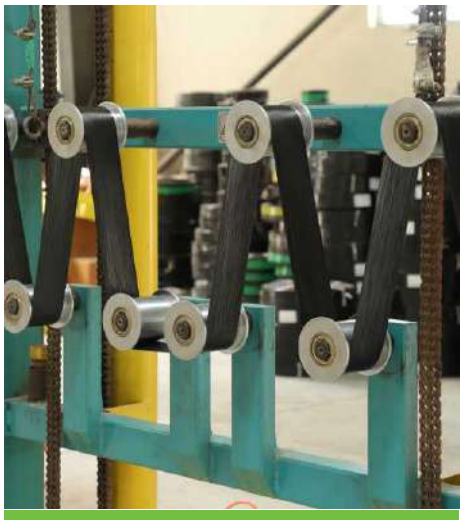
EPDM SHEET

EPDM Sheets are available in four thicknesses – 1, 1.2, 1.5, and 2 mm with a textured finish on Both Sides (BSR). Standard Width is 1.2 mtrs & Standard Length is 20 mtrs. Custom sizes are available upon request.

MANUFACTURING UNIT

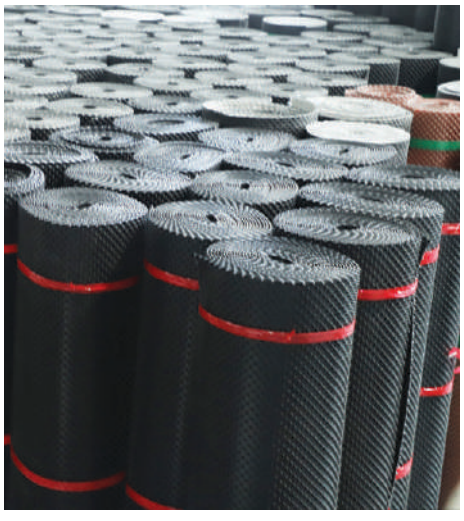
Geotextile (7 mtr. width)

Geocomposite / Salt Barrier



VT Strip

STOCKYARD



QUALITY CONTROL & TESTING LAB

Tensile/ Peel Strength

Water Permeability

Carbon Content

APPLICATION AREA


HIGHWAY


VT Strip APPLICATION


RAILWAY


POND/ CANAL/ RIVER


ROAD


RETAINING WALL


GREEN BUILDING


SLOPE PROTECTION


RIVER BANK PROTECTION


AIRPORT/ RUNWAY


RAIN WATER HARVESTING


COIR & JUTE FOR SLOPE


DOCKYARD


FLOOD PROTECTION


GOLF COURSE


GEOCELL FOR GROUND IMPROVEMENT


FOOTBALL GROUND


DIMPLE BOARD FOR WATER PROOFING PROTECTION

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