WALL TAG

Engineered Environmental Solutions
Smarter infrastructure

GEOCOMPOSITE DRAINAGE

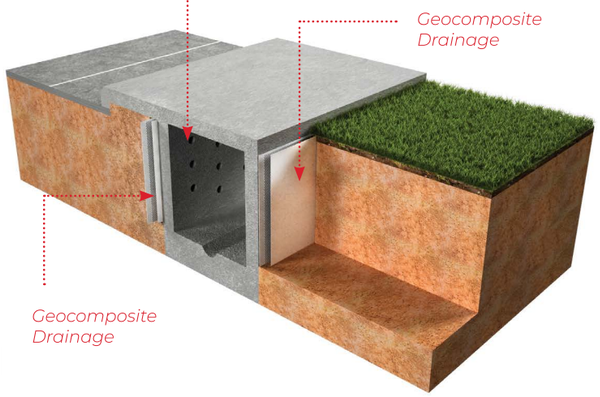
GEOTAG Geocomposite is a sub-soil drainage product which directly replaces conventional granular fill for drainage applications. The drainage geocomposite comprises of 3-Dimensional HDPE polymeric core laminated on one or both sides with geotextile for separation and filtration purpose. The polymeric core provides excellent drainage discharge capacity. It is compact and easy to install resulting in fast installation of the material.

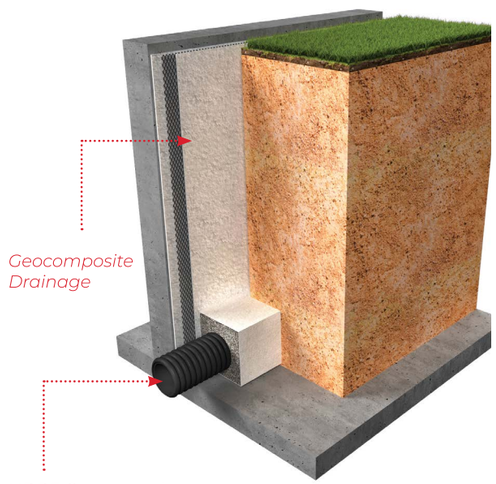
Installed on drain wall during construction

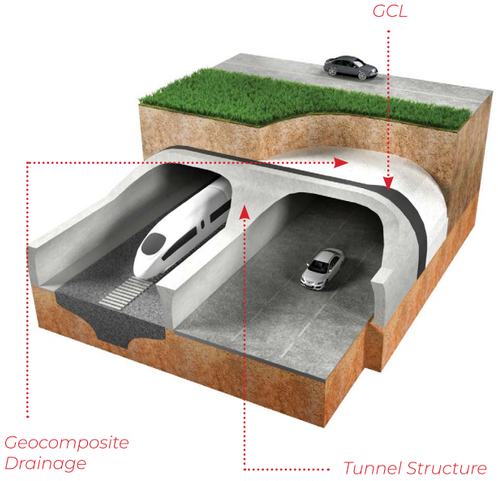
Completion of covered drain work

Close-up image of geo-composite drain

APPLICATIONS OF GEOTAG GEOCOMPOSITE







KEY BENEFITS OF GEOTAG GEOCOMPOSITE

- Excellent water discharge capacity even under high compression
- Excellent Behaviour to Compression
- UV resistance to ensure durability and long term performance
- Geotextile is heat bonded throughtout the geonet
- Superior surface texture ensures smooth water flow without any obstruction by loose fibers.

VERTICAL DRAINAGE

- Drainage for weepholes in Covered Drains
- Retaining Wall Drainage
- Planter Boxes
- Foundation Walls
- Expansion Joints
- Bored Pile Walls
- Drainage of Slopes

HORIZONTAL/ TUNNEL DRAINAGE

- Roof Gardens Drainage
- Pond, Reservoir and Land drainage
- Green Areas (Gardens, Golf Courses,etc)
- Drainage of Road and Rail Beds
- Underground Car Park Flooring
- Roof of Tunnels
- Inside of Tunnel

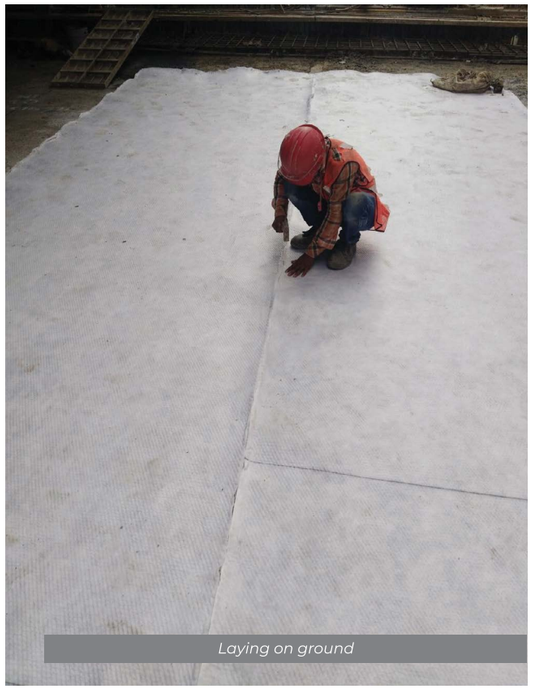
GEOCOMPOSITE DRAINAGE

Geotag Geocomposite GC

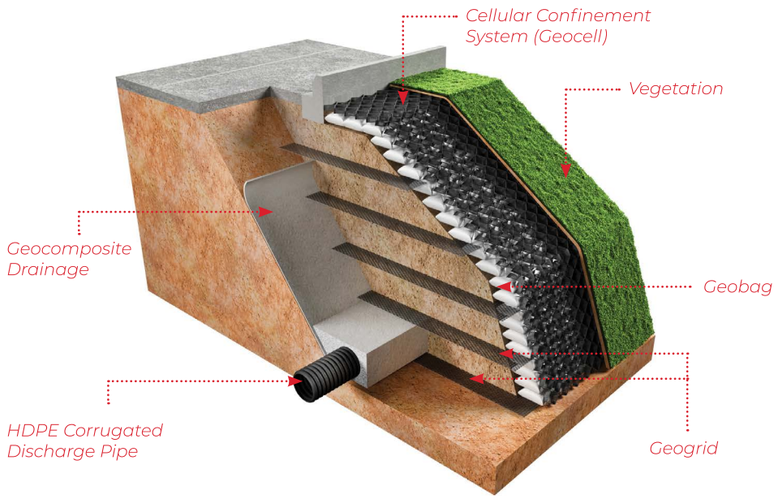
Geotag Geocomposite GC is also available in 500mm x 500mm Panel form complete with Rubber Gaskets and Aluminium Strips for ease of installation for weep holes drainage applications.

In addition to the standard Geotag Geocomposite GC model, Triplanar drainage geocomposites specifically designed for leachate drainage and collection in landfills is also available. It ensures drainage under high loads.

Showing fabricated geocomposite panel



Laying on ground



MEGAFLO PANEL DRAINAGE

The Megaflo® panel drain provides the dimensional stability and field-proven structural strength for quick, effective subsurface drainage.

Megaflo® consists of a perforated HDPE core wrapped with non-woven geotextile to prevent soil ingress into the drainage system. Performance is the distinguishing feature of the panel drain due to its ability to rapidly collect and remove water.

Compared to 100mm diameter round pipe, Megaflo® has twice the inflow capacity for an equivalent length and will drain water in less than 60% of the response time. Its slim 40mm wide profile permits faster and more cost effective installation in a narrower trench.

APPLICATIONS

- Landscape drainage
- Roads and highways
- Sports Fields
- Golf courses
- Parks and gardens
- Storm water management

Megaflo panel drain

Showing discharge of water

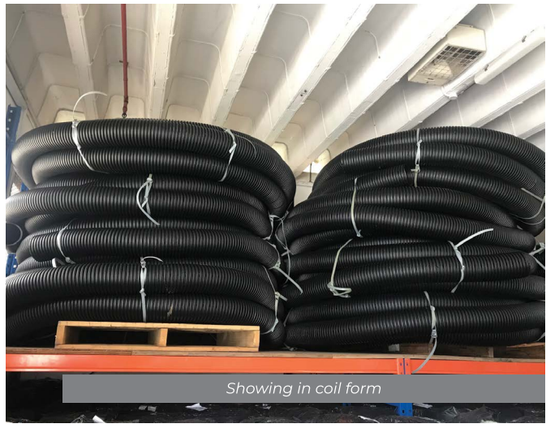
Laying in progress

Connection view

HDPE PIPE

TagPipe drainage products deliver solutions for the most challenging water management needs.

From potable water transportation and managing stormwater runoff, to helping developers and property owners harvest rainwater, we focus on the development of water solutions that make land more arable, cities more livable, and the world a greener place to live. The wide range of TagPipe products made of top quality HDPE virgin raw materials includes Corrugated Piping Systems for gravity flow drainage, PolyPipes for pressure applications as well as Structural Piping Systems.



Showing in coil form

APPLICATIONS

- Landscape drainage
- Roads and highways
- Parks and gardens
- Storm water management
- Sports Fields
- Golf courses

HDPE CORRUGATED PIPES

HDPE Corrugated Pipes is a sub-soil drainage system comprising of flexible corrugated drainage pipe to facilitate fast and effective drainage.

It is made from high density polyethylene with corrugated profile to enhance its strength yet enabling flexibility. The pipe comes in both perforated and non-perforated. Single walled and Double walled option is available depending on the requirement of the application.

TagPipe is also supported with a wide range of various fittings and field connections. These include internal and external couplers, tees, reducers, elbows, wyes and end caps.

Structural pipe

HDPE STRUCTURAL PIPING SYSTEM

HDPE Structural Piping System has a unique structure that can offer a wide range of pipe sizes with Internal Diameters of up to 2m and robust ring stiffness. With the latest advances in both material and manufacturing technology, raw material properties and product technology have combined to provide a light engineering pipe for various application in municipal, industrial, road construction, rehabilitation and marine pipeline application.

HDPE POLYPIPE (PN PIPE)

TagPipe HDPE polypipe are manufactured to support water and gas application and they are excellent for construction and infrastructure industries.

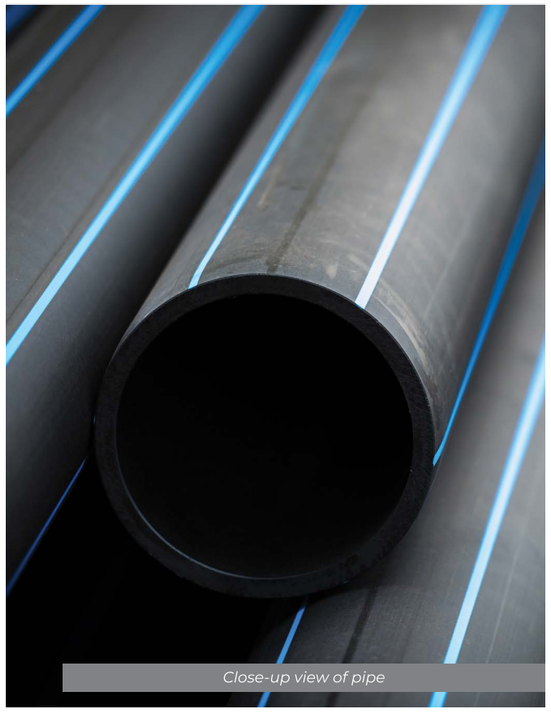
TagPipe HDPE Polypipes are made from high density Polypropylene and is able to withstand high pressure. They are flexible and light weight. They are resistant to UV radiation, chemical and corrosion. TagPipe HDPE Polypipes have excellent abrasion resistance compared to other pipes materials. The smooth inner wall provides superior flow characteristic.

HDPE Pipe, known as HDPE 100 Pipe (High Density Polyethylene Pipe) and HDPE 80 Pipe are used in many projects for potable water, such as pressure water, liquid and gas delivery

They are supported by numerous methods of joints: Electro Fusion, Butt Fusion, Socket Fusion and Mechanical Joint.

Show pipes in coil form

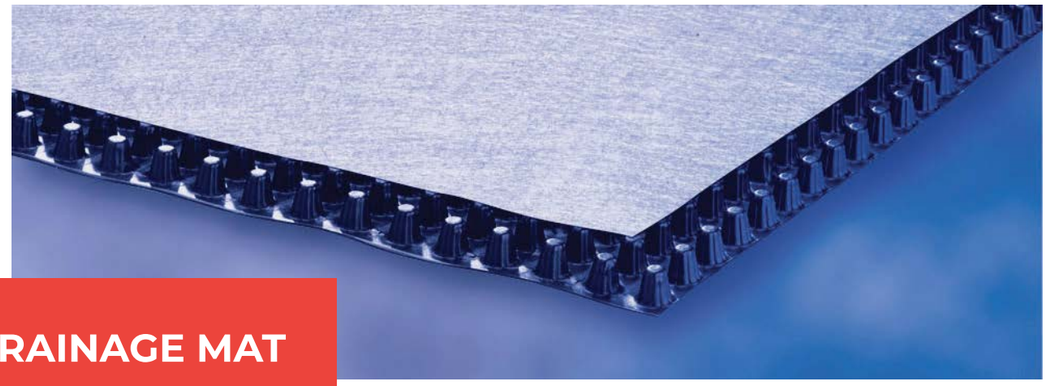
Show view of the jointing



Close-up view of pipe

APPLICATIONS

- Portable water supply for residential and industries vicinity
- Portable gas supply
- Underground protection pipe for underground cabling



DRAINAGE MAT

TagDrain was specifically designed & developed for drainage of landscaped areas over concrete slabs, for instance roof-top gardens, internal gardens, planter boxes, behind retaining wall structures and also tunnel linings.

TagDrain is a flexible subsoil drainage mat. It is primarily used vertically or horizontally against waterproofing or damp-proofing. The prefabricated drainage system drainage mat provides 3 primary benefits:

- Quickly gets water away from the wall, relieving hydrostatic head pressure.
- Provides a channel to get the water down to the collection system.
- Protects the waterproofing, especially during backfilling.

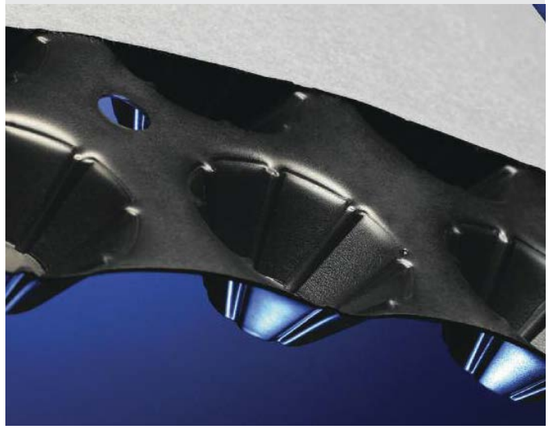
1. GEOSYNTHETIC FILTERED FABRIC:

Holds back the soil and allows water to enter the core. Geotextile fabrics have outstanding water flow levels, providing water to enter the drainage core quickly. The fabric is attached to the core preventing the backfill from entering the core channels and is resistant to clogging.

2. MOLDED PLASTIC CORE:

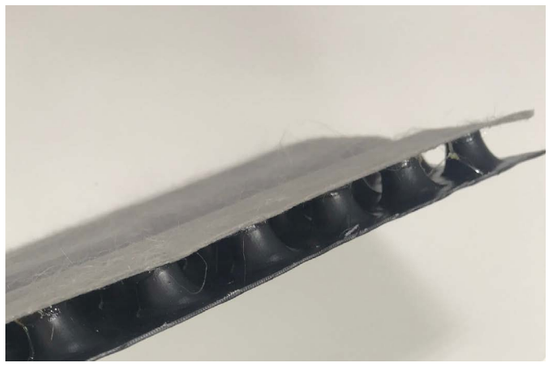
3-dimensional dimpled core. The core is made of high strength plastic and provides tremendous in-plane water flow levels. It is made to withstand the tough backfill stages and will provide better drainage than the old pipe and stone method. Over the years the prefabricated drainage system has evolved and many new and exciting products have been developed.

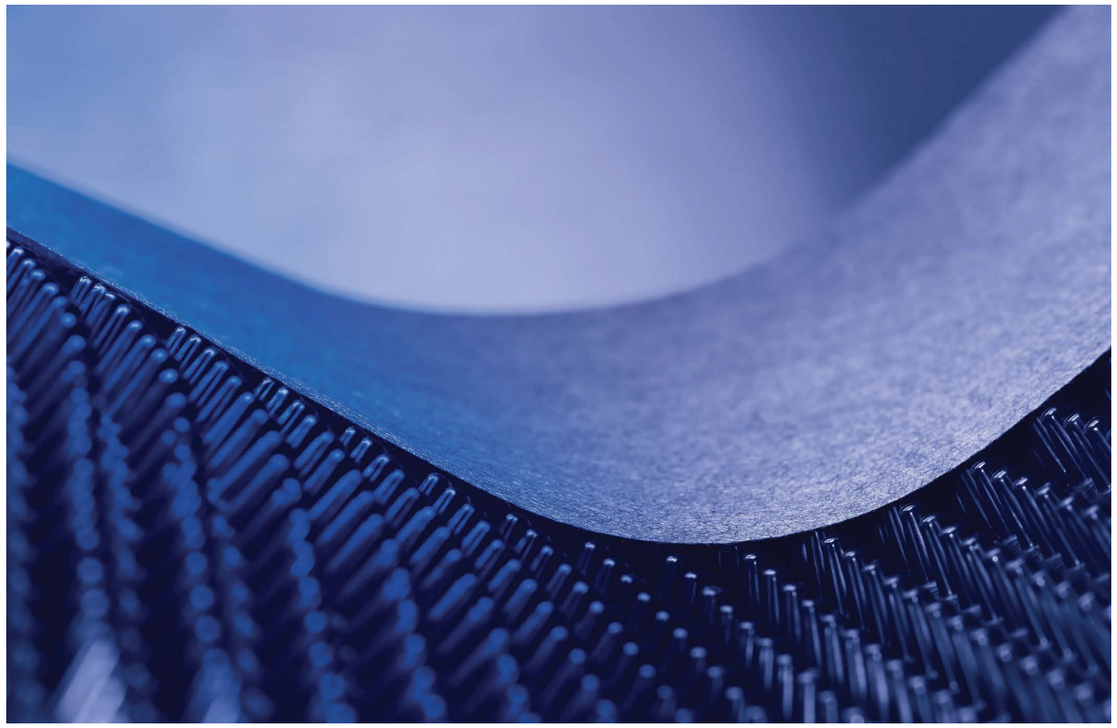
TagDrain is able to withstand high loads with its superior compressive strength and yet maintaining its excellent flow rate.

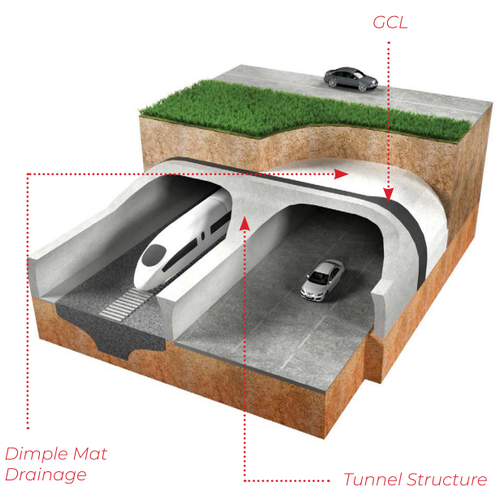


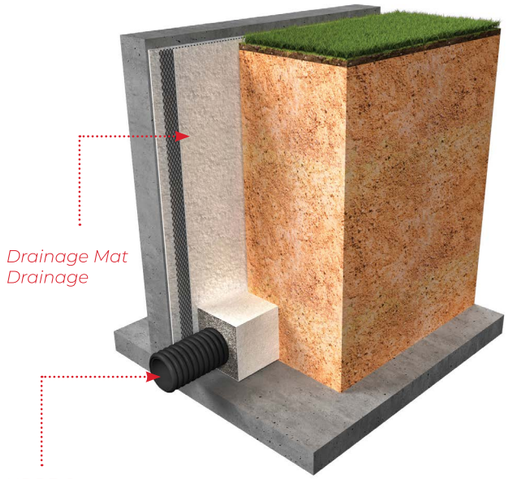
KEY BENEFITS:

- Lightweight- reduced costs for transport, storage & handling
- Fast & easy installation
- No aggregates required
- High flow rate
- High compressive strength
- Flexible









HORIZONTAL APPLICATIONS:

- Roof Gardens & Planters
- Terrace & Patios
- Plaza Decks
- Split-Slab & Under-Slab
- Green Roof

VERTICAL APPLICATIONS:

- Retaining Walls
- Lagging Walls
- Foundation Walls
- Bridge Abutments
- Basement Foundation

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