



**ATDRAIN**

## ➤ ATDRAIN-Drainage Geocomposite

Step into the era of advanced drainage solutions with **ATDRAIN**, the innovative geocomposite drain. Embracing the modern solution to traditional drainage challenges with this innovative geosynthetic product. Ideal for a variety of applications, from earth retaining structures and RS walls to basements, culverts, terrace gardens, and dams, **ATDRAIN** offers unparalleled performance.

Crafted by expertly layering a robust geonet drainage core between two protective geotextile layers, **ATDRAIN** stands out with its optional geomembrane enhancement. This feature transforms it into a dual-action marvel, providing both a hydraulic barrier and an efficient drainage system for areas above. With its multifunctional capabilities, **ATDRAIN** excels in drainage, filtration, separation, barrier protection, reinforcement, and protection.

Choose **ATDRAIN** for a sustainable, reliable, and versatile drainage solution that meets the demands of today's construction and landscaping projects.



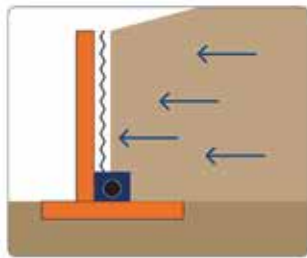
**ATDRAIN(2D)**



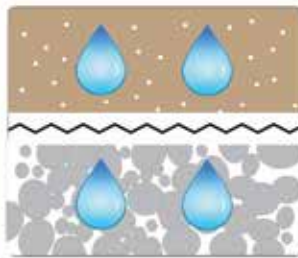
**ATDRAIN(3D)**



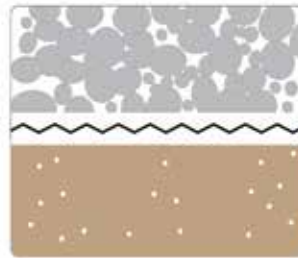
## ➤ Functions of ATDRAIN



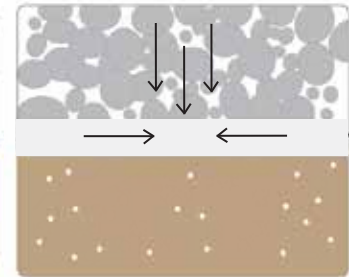
**Drainage**



**Filtration**



**Separation**



**Reinforcement**

## ➤ Features of ATDRAIN

- Effortlessly redistributes pressure and channels water to the collector drain.
- Innovatively replaces granular drainage materials behind RS wall panels and in various applications.
- Expertly engineered for optimal removal of excess water from soil.
- Chemically resistant, ensuring durability and longevity.
- It has the ability to replace the traditional usage of drainage material (sand & gravel) with excellent performances.
- Significantly reduces construction time, benefiting both the economy and the environment.
- Customizable composites tailored to specific project requirements.
- Lightweight design for easy handling.
- Minimizes labour requirements, streamlining project completion.





## Why **ATDRAIN**?

- **World-Class Testing Laboratory:** Ensuring compliance with global standards.
- **Premium Raw Materials:** Only the finest quality for our products.
- **Cutting-Edge Manufacturing:** Fully automated, state-of-the-art facilities.
- **Customized 2D & 3D Nets:** Tailored to MoRTH & RDSO specifications.
- **Global Delivery Excellence:** Commitment to quality products and services worldwide.
- **Impressive Production Capacity:** 250 tonnes per month with punctual delivery.
- **Value and Quality:** Competitive pricing meets top-tier service.
- **Generous Dimensions:** Maximum width up to 2.5 meters.
- **Extended Roll Length:** Options available up to 100 meters.

## ➤ Applications of **ATDRAIN**

- **Optimal Filter Media:** Ideal for use behind walls and abutments.
- **Highway Drainage Solution:** Perfect for sub-surface drainage systems.
- **Railway Water Management:** Keeps tracks dry and stable.
- **Landfill Efficiency:** Advanced leachate collection and leak detection.
- **Landscaping Excellence:** Enhances the beauty and functionality of outdoor spaces.
- **Gardening Perfection:** Promotes healthy plant growth and soil drainage.
- **Tunnel Durability:** Ensures structural integrity and water control.
- **Mining Reliability:** Provides dependable dewatering and stability.



## ATDRAIN ON WALLS

**ATDRAIN**, strategically placed behind walls or fascia panels. This innovative solution expertly reduces pore water pressure and prevents backfill saturation, securing the enduring stability of your construction projects.



ATDRAIN BEHIND RETAINING WALL



ATDRAIN BEHIND REINFORCED SOIL WALL

## ATDRAIN ON HIGHWAYS

**ATDRAIN**, the superior drainage solution strategically positioned above the granular sub-base to serve as the essential primary drainage component, enhancing infrastructure efficiency with ease.



SURFACE DRAINAGE OF HIGHWAY

## ATDRAIN IN LANDFILLS

The resilient nature of **ATDRAIN** makes it the first choice for landfill projects, engineered for enduring chemical resistance and remarkable compressive strength, ensuring your projects stand the test of time with confidence.



ATDRAIN APPLIED FOR LANDFILL PROJECT



## ATDRAIN IN MINING

**ATDRAIN**, designed to deliver consistent performance. Its robust geotextile withstands long-term compression, while the geocomposite's horizontal flow ensures seamless operation. Trust **ATDRAIN** for a reliable, high-performing drainage solution in your mining projects.



ATDRAIN APPLIED IN MINING

## ATDRAIN IN TUNNELS

**ATDRAIN**, the dual-action safeguard in tunnel construction. It not only ensures optimal drainage but also provides critical protection, preventing geomembrane punctures and blocking groundwater intrusion with unparalleled efficiency.



ATDRAIN APPLIED IN TUNNEL



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