



Atlantis Bio-Remediating EcoSoil®

Our environment under threat

Daily urban and industrial activities produce a multiplicity of toxic chemicals which are absorbed into the land and waterways. These toxins include organophosphates, PCB's, PAH's, coal tars, pesticides, herbicides and heavy metals, which are carcinogenic to humans. These residues are also harmful to plants and animal life.



Atlantis Bio-Remediating EcoSoils

Atlantis Bio-Remediating EcoSoils are your weapon against environmental degradation.

Atlantis has developed an exclusive range of Bio-remediating Atlantis EcoSoils containing naturally occurring and bio-engineered micro-organisms. Even heavy metals such as arsenic, chromium and selenium can be removed using cationic exchange promoted by the Atlantis EcoSoil.

Atlantis EcoSoils are configured to meet engineering requirements for compaction, load bearing and infiltration capability.

This unique structure allows Atlantis EcoSoil to achieve compaction and infiltration rates unattainable by natural and other manufactured soils. Atlantis EcoSoils support growth of plant species which further contribute to biodegradation of toxic chemicals and heavy metals.

Atlantis EcoSoils can be used effectively in conjunction with our range of Atlantis Drainage Cells, Tanks and Channel Systems, over a broad range of applications including wetlands, landscape gardens, sporting fields, roads, railways and leach drains.

Atlantis EcoSoil Product Range

Product Code	Product Type	Description
Code ARGE01	Roof Garden EcoSoil (Standard Weight)	Designed for use on concrete structures that can bear a standard weight soil, Roof Garden EcoSoil (Standard weight) has a dry weight density of approximately 1,525 Kg per cubic metre. It is a free draining mix in which a wide range of plant species can be grown and contaminated surface water runoff from impermeable paving or roofing can be bio-remediated.
Code ARGE02	Roof Garden EcoSoil (Light Weight)	Designed for use on structures that require a lightweight planting media, Roof Garden EcoSoil (lightweight) has a dry weight density of approximately 660 Kg's per cubic metre. It also has a free draining structure in which a wide range of plant species can be grown and contaminated surface runoff can be bio-remediated.
Code APBEO3	Planter Box EcoSoil	Specifically designed for growing in confined spaces or in areas of high wind turbulence, Planter Box EcoSoil is suitable for either light weight or standard weight structures and has a dry weight density of approximately 660 Kg per cubic metre. Holding good humidity levels, it has a free draining structure which bio-remediates contaminated surface runoff from impervious paving and is suitable for a wide range of both indoor and outdoor plants. Code AGCEO4
Code AGCEO4	Golf Course EcoSoil	Specifically designed for golf course application as an Atlantis improvement on the USGA specification -Atlantis Golf Course EcoSoil provides superior drainage performance, low compaction characteristics, good hydraulic conductivity and bulk density and better maintenance of golf course greens and fairways. It also ensures better nutrient management, which saves on fertilizer cost and protects surrounding environments from nutrient and pesticide runoff and leaching. Turf recovery is also improved using Golf Course EcoSoil. Code ASPFO5
Code ASPFO5	Sporting Field EcoSoil (Standard Formulation)	Specifically designed as an Atlantis improvement on the USGA specification for a wide range of playing field applications, Sporting Field EcoSoil also provides superior performance and maintenance characteristics. Allowing all weather usage, it ensures better nutrient management, which saves on fertilizer cost and protects surrounding environments from nutrient and pesticide runoff and leaching.
Code ASPFO6	Sporting Field EcoSoil (High Performance)	Designed as an Atlantis improvement on the USGA specification for use on high traffic playing fields, Sporting Field EcoSoil (High Performance) also provides superior drainage performance, low compaction characteristics, effective hydraulic conductivity and bulk density and better maintenance characteristics. The high wearing characteristics provide cost saving benefits and minimize the risk of injuries.
Code ARTE07	Race Track EcoSoil	Designed for high impact performance and to decontaminate accumulated toxins, Race Track EcoSoil is a free draining media which in conjunction with Atlantis Drainage Systems provides a better water management solution than conventionally used systems. Nutrient runoff can also be effectively managed using Atlantis Racetrack EcoSoil and the retained water can be used for recycling programs.
Code ALGEO8	Landscape Garden EcoSoil	Designed for a wide range of landscape applications, Landscape Garden EcoSoil allows for the efficient infiltration and cleaning of contaminated water runoff from roads or other impermeable surfaces. The remediated water can then be stored in Atlantis Ecological Tanks and is available for reuse in the landscaped areas. A wide range of plant species can be grown in Landscape Garden EcoSoil which can then take up the stored water by either natural capillary action or via a pump system.
Code ARPE09	Road Planting EcoSoil	Specifically designed for using around roadways and railways, Roadside Planting EcoSoil provides a higher drainage performance standard required to treat high levels of first flush contaminated runoff. Water can then be either directed to wetland areas or for on-site detention using Atlantis Drainage Cell and Ecological Tanks. The remediated water can be reused for surrounding landscapes or recharging depleted ground water reserves.
Code ARWE10	Retaining Wall EcoSoil	A free draining structured media with high hydraulic conductivity, Retaining Wall, EcoSoil is engineered to be used in conjunction with Atlantis Drainage Cell for all retaining wall applications. Contaminated water is remediated through the media and directed away from retaining walls by the drainage cell and can be stored in Atlantis Drainage Tanks for re-use or for recharging depleted ground water reserves. Code ALDE11
Code ALDE11	Leach Drain EcoSoil	Also a free draining biochemical media designed to clean effluent and drain water, Leach Drain EcoSoil bio-remediates accumulated toxins contained in runoff. The water is then passed through Atlantis Channel and Filter Pipe systems for reuse.

Note: Atlantis® products are manufactured from high quality recycled materials, carefully selected and under strict quality control procedures. The strength could vary slightly due to raw material, country of manufacture, manufacturing process and external conditions.

Safety Factors: Engineers, designers and geotechnical engineers should design and calculate safety factors to a serviceable limited state to suit specific project. In case of doubt, consult your nearest distributor or Atlantis representative.

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