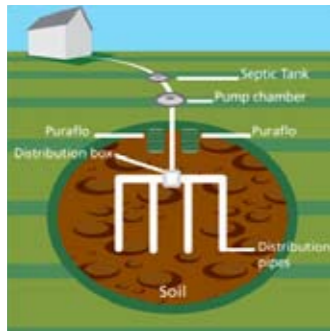


Contact us:

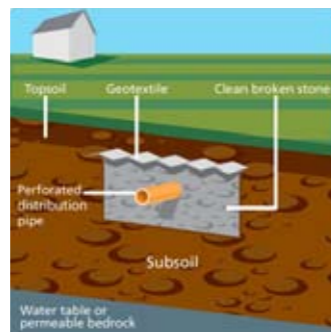
Bord na Móna Environmental Ltd  
Head Office  
Newbridge, Co. Kildare.

Tel: **1850 381136**  
Tel: 045 439000  
Fax: 045 432312  
E-mail: ed.info@bnm.ie  
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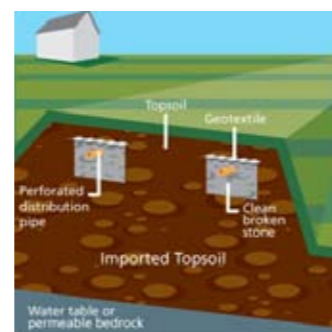
Treated Wastewater Percolation & Disposal



Typical Layout of Percolation Area



Section Through Normal Percolation Area



Section Through Raised Mounded Percolation Area

Product Range:

Single House:

- Puraflo Single House
- Platinum Single House (Package Plant)
- Puraflo Tertiary Treatment
- Phosphorus Reduction

Commercial/Small Community Systems:

- Puraflo Multiple Module
- Puraflo Peat Filter Bed
- Puraflo Tertiary Treatment
- Moving Bed Biological Reactor (MBBR - Concrete Tank Mechanical Aeration)
- Platinum 2000 Series (GRP Package Mechanical Aeration)
- High Rate Sand Filters
- Reed Beds
- Pumping Stations
- Nutrient Removal
- Telemetry Monitoring
- Flow Metres
- Composite Sampling

Rainwater Harvesting:

- RainSava Domestic & Commercial Systems

Surface Water Treatment:

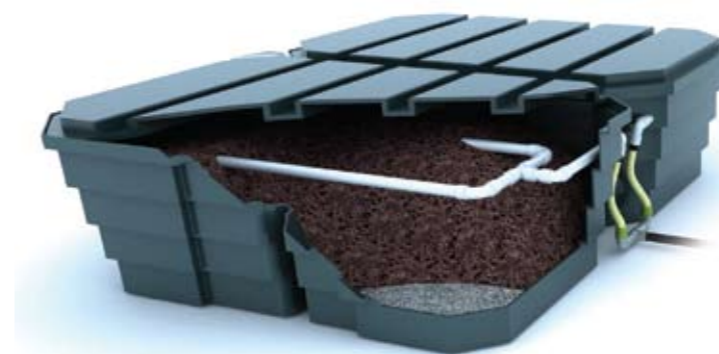
- Silt Traps
- Separators
- Storm Water Attenuation Tanks

Services:

- National Network of Agents/Installers
- Pre-Planning Site Specific Reports/Quotations
- Delivery/Installation/Commissioning
- Service Contracts
- Maintenance Call Out Service



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- Unique System Design
- Unique Treatment Capabilities
- Proven Track Record
- Cost Efficient & Effective
- Minimal Maintenance
- Compliant with Regulations



## Puraflo: the Bord na Móna Environmental Sewage Treatment Solution.

If you are planning a new property or development that is off-mains and requires a sewage treatment system, if you have an existing septic tank that needs upgrading, **Bord na Móna Environmental has a sewage treatment solution for you.**

### Why chose Bord na Móna Environmental?

- Leading designer, manufacturer and supplier of sewage treatment systems for more than 20 years.
- Supplier of reliable, sustainable, long-term solutions for on-site sewage treatment.
- Systems & treatment processes for a wide range of applications including single houses, housing & commercial developments.
- Customer focused and responsive: Assistance from pre-planning to project completion, Warranty, Service Agreements and Maintenance Call-Out Service.
- International experience: Ireland, UK, USA.

### What Our Customers Say:

Customers come to Bord na Móna Environmental looking for a sewage treatment system and gain the added benefit of the company's long term experience and its focus on customer service:

*"I bought the Puraflo sewage treatment system as it's the best on the market and was highly recommended by our architect. Purchasing the system was very easy and staff were extremely helpful".*

*"Top class service re submitting a plan and installed the system on the day that was appointed. Excellent service and I have recommended your system to others".*

### Our Clients Include:

Homeowners, Builder Contractors, Civil Contractors, Engineers, Architects, Commercial Businesses, Local Authorities etc., Self-Builders/Extenders & Renovators.

### Why choose the Puraflo system?

There is only one Puraflo Peat Filter Sewage Treatment System from Bord na Móna Environmental Ltd, a Brand You Can Trust.

**Large primary/septic tank up front:** Reduced de-sludging periods, reduced operational costs.

**Unqie Treatment Capabilities:** Unique bio-fibrous peat filter provides unsurpassed treatment of domestic wastewater.

**Intermittent/Seasonal use:** Achieves consistently high treatment results even under variable and or seasonal loading conditions.

**Odour Free Wastewater Treatment:** Bio-fibrous peat media covering the effluent distribution grid in the Puraflo module suppresses odours during dosing.

**Cost Efficient:** Intermittent pumping to dose the liquid effluent onto the Puraflo modules on an "as needed basis" keeps running costs very low.

**Minimal Mechanical Moving Parts:** The only mechanical device in the system is the pump, which works on an intermittent basis, minimising the possibility of mechanical problems.

**Minimal Operation and Maintenance Requirements:** The Puraflo bio-filter requires no de-sludging or backwashing. Provided the primary/septic tank and sump are maintained by regular de-sludging, as required, the system will continue to operate efficiently.

**National Network of Customer Agents:** A National network of Agents provide free pre-planning assistance & site reports, free no-obligation quotations and expert customer support.

**Free Delivery, Installation & Commissioning by Trained Bord na Móna Installation Teams:** The system is not just dropped on site. Customers get a properly fitted, operational system on the day of installation.

**Compliant with Regulations:** The Puraflo system is Irish Agrément certified & EPA compliant (guiding regulations used by Local Authorities).

**Bord na Móna Warranty, Service Agreements & Maintenance:** The Puraflo system is under warranty for 12 months from the date of installation. A range of Service Agreement options are available. The company offers an on-going Maintenance and Call Out service.

## Puraflo

### 5 Steps to Effective Wastewater Treatment

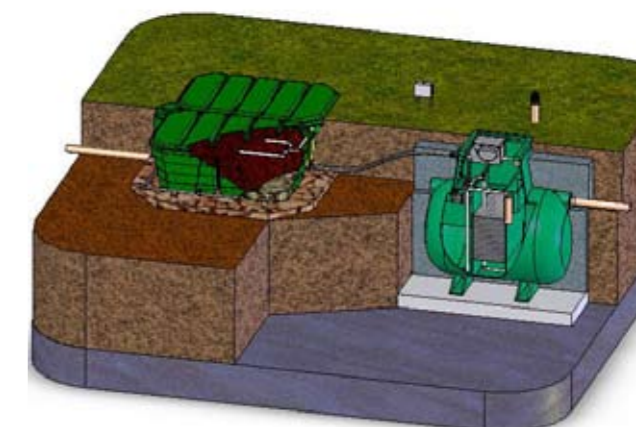
- Wastewater flows from the home into a watertight primary/septic tank. The solids settle and the liquid effluent flows by gravity to a pump/sump chamber.
- The liquid effluent is pumped intermittently to the Puraflo modules where it is distributed evenly onto the bio-fibrous peat filter.
- A combination of biological, chemical and physical processes treat the wastewater as it filters through the bio-fibrous peat in the modules.
- The treated liquid emerges from the Puraflo modules and disperses into the ground through a percolation area or is collected for disposal by other methods.
- The high treatment levels achieved in the Puraflo system reduce the risk of pollution whilst providing protection for homes, the environment and public health.

### Setting the Standard in Customer Care:

- Puraflo system delivered, installed & commissioned by Bord na Móna
- National network of Agents & Installers
- Bord na Móna Warranty
- Service & Maintenance After Sales

Puraflo Design Criteria Assumptions	
Hydraulic Loadings	200/l/p/d
Organic Loadings	60g BOD5/p/d
Solid Loadings	40g TSS/p/d

Further enhance the treated effluent quality with a Tertiary Treatment option.



Above: Puraflo Tertiary Treatment Option: capable of achieving a 5:5 BOD/TSS standard.

## Puraflo: Unique Treatment Capability

- Exceeds EPA (BOD:TSS) Treatment Requirement
- >99.9% Reduction in Total Coliforms
- Elimination of Pathogenic Bacteria
- Micro-Biological Treatment of Wasetwater
- Tertiary Treatment Option: capable of achieving 5:5 BOD/TSS
- Phosphorus Reduction <2mg/litre<sup>†</sup>

<sup>†</sup> Optional Extra if required

