Permafilter Geotextile

PRODUCT INFORMATION

Applications
Permafilter Geotextile is suitable for a wide range of applications including podium decks, cycle paths, infiltration tanks, tree protection, bio-retention, swales, permeable paving, filter drain and filter strips.

Key Benefits
- Captures residual hydrocarbons
- Removes pollutants by biodegradation
- Enhances water quality when used as part of a source control sustainable drainage system and eliminates the need for end of line petrol/oil interceptors
- 100% recyclable
- Designed to be self-maintaining for the life of the installation

Performance
The dimpled Geotextile comprises a proprietary blend of polyester fibres that incorporates hydrophilic (water attracting and oil repellant) and hydrophobic (oil attracting and water repellent) properties to achieve superior oil retention. Permafilter Geotextile is capable of retaining oil contamination ranging from daily car drip losses up to catastrophic spillages, i.e. originating from car oil-sump failures. The entrapped hydrocarbons are biodegraded by naturally occurring microorganisms providing a self cleansing mechanism.

Installation
Permafilter will be laid to suit site specific requirements. Overlaps shall be a minimum of 300mm or heat sealed. Ensure geotextile is clean and debris free before installing Permavoid.

Technical Support
Detailed guidance and assistance is available.
For further information, please contact our Technical Team on +44 (0) 1509 615 100 or email civils@polypipe.com or visit www.polypipe.com/civils-technical-hub

ELEMENT | VALUE
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**PHYSICAL PROPERTIES**
Weight | 300g/m²
Roll length | 100m
Roll width | 2.4m
Roll weight | 72kg

**MECHANICAL PROPERTIES**
Tensile strength EN10319 (md/cmd) | 9/12kN/m
Static puncture (CBR test) EN12236 | 1575N

**HYDRAULIC PROPERTIES**
Water permeability EN ISO 11058 | 57 l/m²/s

**OTHER PROPERTIES**
Air permeability | 1000 l/m²/s
Max. oil retention | 6L/10m²
Effluent discharge at max. spacing oil loading | 10ppm
Material | Modified polyester

Product code: PV23002

Permafilter Geotextile is a non-woven, dimpled, needle punched geotextile that has been specifically designed for hydrocarbon pollution treatment in sustainable drainage systems (SuDS) and other civil engineering applications.
Permafilter Geotextile can be utilised in these SuDS techniques

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