Charcon Permafilter Geotextile

Permafilter Geotextile is a non-woven, dimpled, needle punched Geotextile that has been specifically designed for hydrocarbon pollution treatment in SUDS and other civil engineering applications.

**Performance**

The dimpled Geotextile comprises a proprietary blend of polyester fibres that incorporate hydrophilic (water attracting and oil repellent) and hydrophobic (oil attracting and water repellent) properties to achieve superior oil retention. Charcon 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 micro-organisms providing a self cleansing mechanism.

**Applications**

Charcon Permafilter Geotextile is suitable for use in a range of applications including residential, industrial estates, swales, sports pitches, car parks, roofs, basements, pedestrian areas and rainwater harvesting. Refer to SUDS technical services for advice on specific applications - tel: 01335 372222.

**Manufacturing standard**

All products manufactured by Aggregate Industries are produced in accordance with ISO 9001 with factory compliance to ISO 14001.

**Element** | **Value**
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**Physical properties**<br>Weight | 300 g/m²<br>Roll width | 2.4m<br>Roll length | 100m<br>Roll weight | 72kg
**Mechanical properties**<br>Tensile strength | 26/10 kN/m
**Hydraulic properties**<br>Water permeability EN ISO 11058 | 36 l/m²/s
**Other properties**<br>Air permeability | 1000 l/m²/s<br>Max. oil retention | 6 l/10m²<br>Effluent discharge at max. oil loading | 10 ppm<br>Material | Modified polyester

- Drainage
- Reinforcement
- Filtration
- Can enhance water quality when used as part of a source control Sustainable Drainage System and eliminate the need for end of line petrol/oil interceptors.

**Complementary products**

Aggregate Industries SUDS range along with block paving, flag paving and kerb, aggregate, asphalt and ready mixed concrete.
Sustainability and local sourcing

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

Recyclable: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

Manufacturing location: produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Responsible sourcing: Aggregate Industries is the first company in the world to achieve accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products. Aggregate Industries has achieved an “Very Good” rating for major product groups. The BES 6001 standard assesses:
- quality management
- environmental management
- health and safety management
- a range of social and environmental issues.

Life

Life is our range of sustainable products and services. For more information please visit www.aggregate.com/life

Policies

Aggregate Industries’ policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

Installation standard

For specific guidance refer to the Aggregate Industries SUDS design guide, to www.aggregate.com or SUDS technical services on 01335 372222.

Maintenance and cleaning

For specific guidance refer to the Aggregate Industries SUDS design guide, to www.aggregate.com or SUDS technical services on 01335 372222.

COSHH data

Full COSHH data on Surface Water Solutions products is available on request. Please call SUDS technical services on 01335 372222.

Technical support

Detailed guidance and assistance with the preparation of specifications for Surface Water Solutions products is available. A free SUDS design service is also available.

For further information, please refer to SUDS technical services on 01335 372222

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