

Ridgitreat comprises of perforated HDPE Ridgidrain structured wall surface water drainage pipe, wrapped in Permafilter Geotextile. The permeable Permafilter Geotextile is engineered to catch, filter and break down hydrocarbons, such as oil and petrol from surface water, before infiltrating stormwater into the surrounding soil. The pipework system has a black outer and a blue inner wall and is supplied plain ended in pipe diameters: 100mm, 150mm, 225mm and 300mm.



Applications

Ridgitreat is a versatile, gravity surface water and sub-surface water drainage system that can be incorporated into sustainable drainage systems (SuDS). Ridgitreat can be utilised for numerous applications, including:

- Rail
- Commercial
- Residential
- Leisure
- Highways
- Retail

Performance

Ridgidrain is manufactured to SN6 with a predicted design life in excess of 60 years. The system is resistant to the most common chemicals naturally found in surface water run-off or uncontaminated ground. The dimpled Permafilter Geotextile comprises of a proprietary blend of hydrophilic (water attracting and oil repellent) and hydrophobic (oil attracting and water repellent) polyester fibres, with properties to achieve superior oil retention. Permafilter Geotextile is capable of retaining oil contaminations ranging from daily car drip losses to catastrophic spillages, i.e. originating from car oil-sump failures. The entrapped hydrocarbons are biodegraded by naturally occurring microorganisms providing a self cleaning mechanism.

Key Benefits

- Range of pipes and fittings from 100mm to 300mm
- Ridgidrain is BBA and BBA HAPAS approved
- Ridgidrain is Network Rail Parts and Drawing Systems (PADS) approved
- 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
- Structured wall design for high ring stiffness and strength
- Smooth bore giving excellent hydraulic properties
- Longer lengths so fewer joints for improved resilience to leakage
- Light weight for reduced transport/installation costs and improved Health and Safety benefits
- Incorporates recycled plastic
- Resistant to ground movement and differential settlement

RIDGITREAT PLAIN ENDED PIPES

ID MM	CODE	LENGTH M	WEIGHT KG
100	RDT100X6PEP	6	5
150	RDT150X6PEP/1	6	7.5
225	RDT225X6PEP/1	6	15
300	RDT300X6PEP/1	6	25.5

PERMAFILTER WRAP

ELEMENT	VALUE
MECHANICAL PROPERTIES	
Weight (EN 965)	300g/m ²
Tensile strength (EN ISO 10319)	9/12kN/m
HYDRAULIC PROPERTIES	
Water permeability (EN ISO 11058)	36l/m ² /s
OTHER PROPERTIES	
Air permeability	57 l/m ² /s
Oil retention* (ISO 9237)	800ml/linear m
EFFLUENT DISCHARGE AT MAX. OIL LOADING 10PPM	
Material	Modified polyester

Weights stated are nominal.

*Result from laboratory testing carried out under idealised conditions.

JOINTING

NOMINAL SIZE MM	COUPLER CODE	SEAL CODE
100	CRD100	SRD100
150	CRD150	SRD150
225	CRD225	SRD225
300	CRD300	SRD300

One coupler and two seals required per joint.

Technical support, detailed guidance & assistance is available.

For further information please contact our Technical Team on +44 (0)1509 615100 or email civils@polypipe.com



(Approvals for Ridgidrain component) Certificate Number: PA05/05460

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