

Product code: PVT S

Permatreat-S is a versatile, linear treatment system that can provide source control and pollution treatment in a wide variety of locations and applications.

The Permatreat-S functions as a combined run-off collection, silt and oil interceptor and treatment system. It is designed to be laid with zero gradient to prevent the development of lateral velocities, 'stilling' sheet run-off from each sub-catchment and encouraging silt deposition within each channel. The treated stormwater outlets discharge from the side of the treatment device, having passed through the Permatreat-S weir and baffle arrangement, which separates oil and silt, preventing it from progressing further into the drainage system.

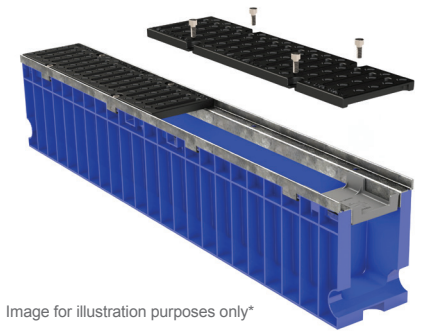


Image for illustration purposes only\*

## Applications

Permatreat-S is used for stormwater collection, interception and the treatment of associated pollutants. The system comprises of single or multiple interconnected units appropriately located to collect surface water run-off from sub-catchments of predominantly impervious or pervious pavements. Permatreat-S is suitable for use in a range of applications including residential, industrial estates and car parks.

## Key Benefits

- Gravity separation of oils and silts at source
- Trapped effluent naturally treated by aerobic digestion
- Can enhance water quality and eliminate the need for end of line petrol/oil interceptors
- The system complies with the regulations of the treatment train criteria in a SuDS scheme as defined in PPG3
- 100% recyclable

## Performance

Permatreat-S is a type M channel rated to C250 loading in accordance with BS EN 1433:2002 when installed with concrete bed and haunch in accordance with site specific construction details. If a loading capacity is required to D400, please use Permatreat-HD.

## Installation

Permatreat-S must be installed on a load bearing concrete bed and haunch in accordance with site specific construction details and the Permatreat Installation Guide.

## Technical Support

Detailed guidance and assistance is available.

For further information, please contact our Technical Team on **+44 (0) 1509 615100** or email [civils@polypipe.com](mailto:civils@polypipe.com) or visit [www.polypipe.com/civils/tech-hub](http://www.polypipe.com/civils/tech-hub)

ELEMENT	VALUE
<b>PHYSICAL PROPERTIES</b>	
Weight per unit	10.9kg
Length	1000mm
Width	139mm
Depth	201mm
Material	Polypropylene
Grating	Ductile iron
Catchment area	30m <sup>2</sup>
Loading	Rated to C250
Chemical Resistance	Polypropylene has good resistance to the most common chemicals found within stormwater run-off (i.e. petrol, oils and acids)
Effluent concentrations are below PPG3 Class I requirements	

Note: Ancillary Universal Connector 40mm diameter

\*Over time the grating will develop a naturally occurring iron oxide protective coating often referred to as a patina. The colour of the patina is typically a deep reddish-brown and dependent on local conditions might take a year to reach its final colour. During early stages of this process it is normal for the grating colour to appear rust-orange.

**Permatreat-S can be utilised in these SuDS techniques**

TECHNIQUES													
Blue-Green roofs	Podium Decks	Trees	Sports Pitches	Cycle Paths	Permeable Paving (sub base & podium)	Bioretention & Rain Gardens	Attenuation Storage Tanks	Infiltration	Swales	Filter Drains	Detention Basins	Ponds & Wetlands	Filter Strips
	✓					✓	✓	✓					

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