

The Polybed Drainage System

A sustainable high-performance alternative
to traditional methods



Domestic and stormwater soakaways

Protects the environment saves time and money



- significant reduction in both material and site wastage
- less plant and labour required
- no specialist skills needed
- easy to use – ideal for repair and replacement
- lightweight and quick to install
- cost savings on plant, machinery and labour

Polybed products – a proven solution

Domestic and stormwater soakaways

Graham Luscombe Plant & Groundworks Ltd were the appointed groundworkers for a site at East Allington, near Plymouth which necessitated the construction of a large soakaway.

High costs for excavation were expected, and site access for multiple deliveries posed problems.

The original proposed soakaway was designed to be 65m long, 2.1m deep and 1.8m wide to accommodate the required drainage for this particular location. The company decided to undertake a trial using a combination of both Polybed and Polyagg products, hoping to reduce the size of trench required, and thereby reducing costs.

The revised trial construction required a trench 48m long, 1.4m deep and 1.5m wide, a significant reduction over the original proposal. 128 Polyagg bundles were placed in the bottom of the trench with two lines of 16 Polybed units laid on top. The soakaway was then backfilled using excavated soil, resulting in much less cart-away from the site than with alternative traditional methods.

The trench construction and installation was carried out by one tradesman and one labourer with no machinery other than a digger, resulting in significant cost and time savings. Using Polybed products eliminated the need for multiple deliveries of aggregate to a site with restricted access.



“We undertook our own comparisons on material costs and proved that, for a job of this size, using Polybed resulted in a saving of almost £1,500. In addition to this, we were particularly impressed with the speed of installation, which reduced our anticipated labour costs by 16 man hours. Installing Polybed also significantly reduced our reliance on heavy digging equipment, resulting in a 50% reduction in plant usage. Overall this was an excellent result.”

Barrie Grant, Quantity Surveyor, Luscombe Plant & Groundworks Ltd

For further information please contact

Forest Drainage Products Limited

Stardens Works, Tewkesbury Road, Newent, Gloucestershire GL18 1LG

Tel: 01531 828960 Fax: 01531 828968 Email: info@polybed.co.uk

www.polybed.co.uk

Every effort has been made to ensure the accuracy of the information in this publication. Forest Drainage Products Limited cannot be held responsible for any errors, omissions or inaccuracies and nothing in this leaflet is to be taken as a warranty nor does it form part of any contract.

**Protects the environment
saves time and money**

How?

reduces your carbon footprint:

- manufactured using 100% recycled materials
- eliminates the need for the quarrying and transportation of aggregate – 1 x 3m length of Polybed equates to a quarter tonne of gravel
- reduces site traffic – 1 truckload of Polybed is equivalent to 8 trucks of gravel
- minimises the need for soil cart-away

convenient and easy to handle:

- lightweight and flexible
- supplied in pre-assembled units, easily joined with a rapid click fit connection
- requires no specialist skills
- ideal for use in restricted areas
- ease of installation reduces Health and Safety risks

cost-effective:

- up to 4 times quicker to install
- requires less labour and plant
- reduces transportation costs
- minimises stone and gravel usage

delivers quality performance:

- controlled infiltration
- consistent void ratio in excess of 30%
- high flow capacity

“Overall this was an excellent result.”

