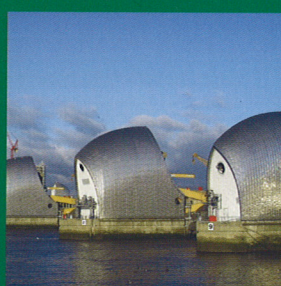
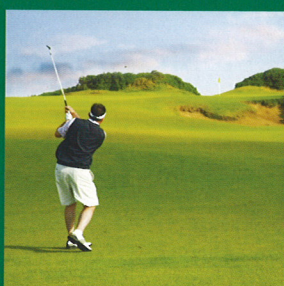


Introducing Polybed. A revolution in drainage technology.



Polybed leaves traditional drainage High performance. Rapid installation



At the heart of the Polybed System is a geosynthetic aggregate, known as EPS aggregate, manufactured from recycled expanded polystyrene and engineered for optimum performance with consistent form.

This EPS aggregate surrounds a 3m length of standard diameter perforated pipe encased in polyethylene netting clamped to both ends of the pipe. The finished product has an overall diameter of 300mm.

For SUDS and other construction applications the Polybed System is supplied encapsulated with a tough, resilient non-woven needlepunched geotextile layer which offers enhanced infiltration and reduces the risk of long term clogging.

The 3m long Polybed sections are simply joined together by the use of proprietary couplers creating a rapid, click-fit connection that is protected by a preformed Polybed collar.

- Up to 4x quicker installation time
- Less labour and plant intensive
- Minimal cart-away
- No importation of natural aggregates
- Reduced overall cost
- Lightweight, improves manual handling capability

solutions in the stone age. n. Versatile applications.



Domestic and stormwater soakaways

The use of the Polybed System as a domestic soakaway provides an extremely cost effective solution as the high void ratio of 30-40% reduces the volume of excavation when compared to traditional natural aggregate soakaways. Also, it has been demonstrated that linear trench soakaways offer an enhanced performance over deep volume structures.

Bio-treatment and septic tanks

The effluent from a septic tank is usually discharged to a drainage field through a series of perforated drains that should be laid to a slight gradient and are generally known as percolation fields. The Polybed System can be simply incorporated into the shallow trenches used to form the required soakaway system.

Land drains

A land drain, as its name implies, is used to remove surface (rain) water from fields, gardens etc. The drain is laid in a shallow trench and prevents the land from becoming waterlogged and unusable during wet spells. It is a drain made up of open jointed, or more recently, perforated pipes

surrounded by a 'no fines' aggregate. The water is conveyed away to a ditch, stream or soakaway depending on location. In the past land drains were often referred to as 'French Drains'. Polybed land drain is highly efficient for this application and is very quick and simple to install.

Sports pitch and golf course drainage

The installation of a sub-surface drainage system is imperative to ensure the longevity of sports fields and golf courses. Sports fields generally require a greater concentration of sub-surface drainage pipes installed at shallow depths; golf course fairways, bunkers and greens also require intensive irrigation and drainage. The Polybed System is ideal for all these applications.

Retaining wall and foundation drainage

The Polybed System can be installed to the rear of retaining walls and foundation drainage to prevent the build up of hydrostatic pressure. The use of the Polybed System also greatly reduces wastage of aggregate, expensive shoring work and plant operation.

Part no	Product	Description	Wrapping	Typical application
FD1230	Polyagg Bundle	300mm x 3m lightweight fill	Net only	All applications including retaining wall, stormwater soakaways
FD1231G	Polybed	300mm x 3m single wall corrugated perforated pipe c/w connector	Geotextile	Sub surface drainage fields, soakaways, French drains, filter infiltration fields, foundation and retaining wall systems
FD1241	Polybed	300mm x 3m 110mm OD perforated (drilled) sewer pipe	Net only	Septic tank and water treatment plant percolation fields
FD1233	Polybed	300mm x 3m Twin wall 110mm OD perforated pipe	Net only	All applications
FD1206	Polybed collar	300mm EPS collar surround for connecting coupler		All applications
FD0331G	Polybed Mini	175mm x 3m single wall 80mm OD perforated pipe c/w connector	Geotextile	Ideal for sports drainage, irrigation systems and small restricted area drainage repairs

The Polybed drainage system has been developed to meet the needs of specifiers and contractors everywhere for a sustainable, efficient and effective alternative to traditional, labour intensive and costly natural aggregate applications, and to offer maximum protection from flooding.

Polybed Systems are available from these leading national stockists:



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