

Retaining wall and foundation drainage

Protects the environment saves time and money



- speed of installation
- easy to use in restricted areas
- 50% reduction in plant usage
- no need for imported aggregate
- no shuttering required
- reduced Health & Safety risks
- cost savings on plant, machinery and labour

Polybed products – a proven solution

Retaining wall and foundation drainage

David Wilson Homes (South West) were building part of a major development of new homes at Warmley, near Bristol.

The design called for several retaining walls, yet access to the site was severely restricted. Additional problems included friable soil and very tight deadlines.

David Wilson's design engineers decided to undertake a trial using Polybed's complementary product Polyagg, which has been developed specifically to provide additional lightweight fill to increase the void and achieve further water retention.

A trench measuring 1m deep x 75m long x 350mm wide was excavated adjacent to an existing wall and the soil was kept to one side. Two layers of Polyagg bundles were installed in the trench which was then backfilled with the retained soil. This solution eliminated the need for aggregate and dramatically reduced the amount of cart-away, significantly reducing the movement of heavy plant in a severely restricted area. Speed and ease of installation was an added bonus.

"Polyagg lives up to its reputation. It's easy to handle and quick to install and significantly reduced labour time compared with traditional methods."

Paul Robins, Manager, Groundworkers Westmode Contracting Ltd



"Forest Group's Polybed product range is the best innovation I have seen on a building site for some years. Manual handling and access to sloping areas with dumpers is greatly reduced."

Nigel Harris, Contracts Manager, David Wilson Homes South West

"Everyone involved has been impressed with the ease and speed of installation of Polyagg. Our engineers are completely satisfied with its performance and I have no hesitation in recommending the product for retaining wall and foundation drainage."

Chris Lavell, Construction Director, David Wilson Homes South West

For further information please contact

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Protects the environment
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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

"...the best innovation I have seen on a building site for some years."

