

envirobund

THE DARCY ENVIROBUND IS A COMPLETELY VERSATILE AND ENVIRONMENTALLY COMPLIANT SECONDARY CONTAINMENT SYSTEM THAT OFFERS UP TO A 40% SAVING WHEN COMPARED WITH BLOCKWORK AND CONCRETE.

ENVIROBUND IS MADE FROM MODULAR GALVANISED STEEL PANELS AND FEATURES A NO DIG OPTION FOR COST EFFECTIVE INSTALLATION AROUND EXISTING TANKS AND PIPEWORK.

THIS TRIED AND TESTED SECONDARY CONTAINMENT SYSTEM IS IN SUCCESSFUL OPERATION ACROSS THE UK.

ENVIROBUND CAN BE FITTED WITH A BUND WATER CONTROL UNIT WHICH WILL AUTOMATICALLY REMOVE RAINWATER (BUT NO OIL) FROM THE BUND IN AN ENVIRONMENTALLY SAFE MANNER AND MAINTAIN THE CAPACITY OF THE BUND IN LINE WITH OIL STORAGE REGULATIONS.

↘ BENEFITS

- No requirement for heavy plant or lifting equipment
- No digging required as supports are drilled and bolted into concrete base
- Independently strength and impact tested
- Meets the requirements of the latest Oil Storage Regulations
- Extremely durable HDPE oil/chemical resistant liner
- In the rare event of any failure, repairs are simple to fix using patches and sealants
- If decommissioned, the bund can be moved and reused leaving the site as it was found
- Designed to incorporate Darcy Bund Water Control Units
- Supplied in either 0.45m or 0.90m high panels

No dig option

Specially designed feet provide the required strength and stability without the need to dig, eliminating the disturbance of underground pipes and cables.

- Any size – Any shape
We will design, manufacture and install a new build or retrofit system to suit your exact requirements
- Fast Installation
Bolt together assembly means installation takes hours not days and eliminates the need for heavy lifting devices.
- Strength
Z post supports provide the optimum strength without the cost.
- Quality Liners
Our guaranteed range of liners made from tough, durable polymers are chosen to suit the type of liquid stored e.g. oil, petrol, solvents.



↘ HDPE LINING INSTALLATION

High Density Polyethylene is a polyethylene thermoplastic made from petroleum, with a high overall chemical resistance, which is a cost effective solution to lining of both large and small bunded areas.

The HDPE that is most commonly used by Darcy on our projects is a 2mm thick geo-membrane. HDPE is commonly used within landfill applications, therefore is designed to provide a proven solution for your storage containment needs on site. As well as the advantage of being extremely durable and cost effective, HDPE can be retrofitted to numerous applications. A brief overview of the installation service we offer is as follows:-

- The HDPE is installed, heat welded on site by our team of installation engineers, re-tested and then certified after installation.
- We further enhance the protection provided by the HDPE, by finally installing a geo-textile cover onto the liner, as well as recommending 50mm of pea gravel be installed for H & S purposes.
- When the installation is complete, we then undertake 2 x 12hr water tests on the material to ensure that the material has been installed correctly and therefore serves its purpose.
- Upon completion, we provide full installation certification, water testing completion certification, handover documents and liner specification sheets for your health & safety files.

↘ HIGH PERFORMANCE RESIN INSTALLATION

We offer a full range of high performance resin systems to suit a wide range of applications. The systems are all fully bonded, many are flexible offering crack bridging capabilities. The resins which are liquid applied cure to form a seamless lining impermeable to oil and water (chemical resistant where applicable).

As well as being an excellent alternative to HDPE lining, our resin system range can be finished in a variety of colours to suit each job on a site by site basis.

The works include:

- Preparation of existing concrete and joints within all bunded areas to enable the application of our liner.
- Isolated concrete repairs using low density polymer mortar.
- Application of a flexible, oil and water resistant finish to the bund to provide an impermeable surface in line with the Oil Storage Regulations.
- If required by the client, we are able to provide integrity testing on the bund (with certification) to meet the required standards for the bunded area(s).
- Upon completion, we provide full installation certification, water testing completion certification, handover documents, resin data sheets and specification sheets for your health & safety files.

