

Application Case Study



Project:	Millennium Ribble Link	Location:	Aire & Calder Canals, Lancashire
Products:	i-plas Groundblocks and profiles		

The Challenge

The Millennium Ribble link was supported by an environmental fund and innovative building solutions were sought to meet the requirements of the project and the funding criteria.

The ability to cope with permanent immersion in water was a prerequisite but the material also had to offer protection from impact, protect the bank from further erosion and provide safe for pedestrian access.

The material used had to be virtually maintenance free and easy to install.



i-plas Groundblocks used as revetments

i-plas Solutions

Revetments

Two types of revetments were used on this project - a traditional post and board construction to support vertical banks of the canal and the innovative use of i-plas Groundblocks to support the banks from erosion by propellers as boats turned close to the banks.

Fencing

i-plas profiles were used to create safety fencing, steps and handrails at various locations on the project.

Fendering

i-plas profiles were used to provide fendering in bridges and at stages along the vertical revetments.

Landing Stages and Decking

Complete landing stages and decking were constructed entirely from i-plas profiles.

Other items

i-plas profiles were also use to create litter bins, navigation marker posts and path edging.



i-plas profiles used as safety fencing

Client Benefits

All the items provided were made from mixed waste plastic. The process i-plas have perfected ensures that the products produced not only reduce landfill and CO₂ emissions but the items are themselves are extremely durable, strong, safe, are impervious to water and require no maintenance.

The impact resistance of the material exceeded client expectations.

“Overall the recycled plastic was found to be ideal for the applications it was put to. In particular the hexagonal blocks were found to be excellent for protecting the sides of the basin.....its use should be encouraged due to environmental reasons.”

British Waterways Report



i-plas profiles used to create a landing station

