



Through our business Tynedale Roadstone we manufacture and supply the innovative Plastipave® product range. By utilising end-of-life plastic waste streams, preventing them from going to landfill or incineration, we contribute to a circular economy and ensure complete traceability.

Plastipave Porous allows rain and flood water to percolate through the asphalt layers into the lower strata, reducing the risk of surge water. It can be incorporated into a SuDS system where rapid dispersal of rainwater is required, alleviating potential flood risks or removing the requirement for captive drainage and ironwork in a pavement.

The product is available in a 32mm, 20mm, 14mm binder course and 10mm and 6mm surface course and can be used on sports pitches, tennis courts and cycle tracks. When incorporated with a polymer modified binder it can be used on car parks and light duty access roads. It can also be used as a support layer for permeable block paving.

Our innovative material improves safety as it eliminates any standing water, removing the possibility of hydroplaning. To further enhance environmental benefits, Plastipave Porous can also be supplied in a low temperature Eco mix, see Plastipave Eco datasheet for more information.

Property	Units	20mm Plastipave Porous	10mm Plastipave Porous	6mm Plastipave Porous
Void Content	%	>18	N/A	N/A
Water infiltration rate	mm/hr <small>* tested in accordance with BSEN 12616</small>	>12,000	>10,000	>5,000
Nominal Layer Thickness	mm	50 – 90mm	30 – 50mm	25 – 35mm

Summerhill Park Cycleway Hartlepool Borough Council



We undertook the construction of a 750m long technical cycleway at Summerhill Country Park. The specification for the 6m wide surface required it to be free draining with no longitudinal joints for the full length. Rainton Construction secured the project under a competitive tender with works commencing in January 2022.

The pavement construction was for 150mm of Type 3 (no fines) sub-base with 50mm of 5-20mm clean stone. We then laid 20mm binder, 30mm of Plastipave Porous and 10mm surface course. The 6m wide track could not have any longitudinal joints in the surface due to the requirements of British Cycling.

All materials were supplied by our Tynedale Roadstone Barton plant and laid by our Rainton Construction surfacing team over a two-week period.

"I'm absolutely delighted with the track, it looks great. It is a fantastic asset for the town and, in particular, will enable young people, families, disabled people and women to cycle more safely, more often."

Councillor Shane Moore, Leader of Hartlepool Borough Council

