



Through our business Tynedale Roadstone we manufacture and supply the innovative Plastipave® product range. It utilises end-of-life plastic waste streams, preventing them from going to landfill or incineration.

Plastipave Single is a single layer solution for residential and minor carriageway resurfacing. The single layer option reduces operational time required to complete the works while also reducing the overall new pavement depth, further saving virgin aggregate.

Typically, a two-layer reconstruction is required for depths over 50mm deep and would normally be a minimum 80mm to allow for a 50mm binder and 30mm surface course. This is predominantly due to the aggregate size of the products dictating the minimum laying depth.

Plastipave Single is designed to be laid between 50 to 80mm deep incorporating a 10mm or 14mm coarse aggregate with a traffic suitable PSV. The single pass method of construction will typically produce construction costs savings of around 40%.



Jubilee Road Durham County Council



Since 2013 we have been the incumbent contractor for delivery of highway surfacing requirements throughout Durham and we are also a current supplier within the NEPO (North East Procurement Organisation) Highways Surfacing Framework.

As part of our highway surfacing framework we undertook resurfacing works to Jubilee Road, Shildon. The existing surface had reached the end of its serviceable lifecycle and needed replacing.

The scheme comprised of a 500m section of the estate circulation road and traditionally would have been resurfaced with a 100mm construction comprising 60mm of heavy-duty binder course and 40mm of 10mm close graded surface course.

Durham County Council agreed to trial the use of Plastipave Single at a depth of 80mm to allow a single pass resurfacing process to reduce the disruption to the estate residence. The carriageway was resurfaced on a restricted hours closure 9.00 till 3.00 over four shifts compared to 7 shifts using the traditional method.

Benefits

- Adopting a sustainable approach, saving materials
- Construction cost savings
- Early access to road users reducing delays.

"MGL Group is helping us to deliver our sustainability goals. Through its innovative solutions we are improving our volume of recycling and supporting our ambition to reduce our environmental impact and minimise our carbon footprint."

Mark Readman, Highway Services Manager

