



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 Thin is produced to the same standards as a Clause 942 material and benefits from all the technological advantages of a Thin Surface Course System whilst incorporating 'waste' to the mix.

Our material is suitable for laying on Local Authority and Trunk Road Network schemes. The texture of the material is obtained from the interlocking nature of the coarse aggregate and there is no requirement for the addition of pre-coated chippings to obtain skid resistance. It can be used in locations where the use of a chipping machine is not suitable or would require extensive road closures.

The negative texture also reduces noise produced from traffic tyres which makes it ideal for urban situations where noise pollution needs to be minimised.

A67 Boldron Junction Durham County Council



Rainton Construction undertook structural patching and resurfacing to a 1.2 km section of carriageway on the A67 which links the Market Town of Barnard Castle and the A66 Trunk Road at Bowes.

The original specification was a traditional 60mm of HD binder for the structural patching areas and a 50mm hot rolled asphalt surface course with 68 PSV pre-coated chippings. This posed a safety risk as there was no hard verge or footway to allow the chipping machine to travel.

We modified the surface course and used Plastipave Thin, removing the requirement for pre-coated chippings while providing the required skid resistance for traffic. The added benefits of incorporating single use plastic waste meant overall we diverted 1.5 tonnes of rubber and plastic waste from landfill, saving 5.3 tonnes of CO₂.

"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



Environmental savings of using Plastipave products:



Volume of asphalt
1150 tonnes



Plastic waste
1.05 tonnes



Rubber crumb
0.53 tonnes



Number of plastic milk
cartons **24,465**



Car tyre residue
626



Total carbon saving
5.03 tonnes

