

MacRebur MR8 Case Study



Client: Cumbria County Council
Asphalt Supplier: Jobling Purser Ltd
Surfacing Contractor: DSD Construction Ltd
Location: Hundith Hill
Date: September 2018

THE NEED

As part of the preparations for the Cumbria stage of The tour of Britain it was identified that a number of road sections which the race would cross were in need of repair – Cumbria wanted to highlight their commitment to utilising environmentally friendly construction options which could be highlighted during the tour. Pothole refilling and small reinstatement works.

THE SOLUTION

MacRebur's products allow asphalt manufacturers to reduce the amount of fossil fuel bitumen used in the asphalt mix which reduces the demand on extraction and processing of this product. The product is also manufactured from 100% recycled waste plastics which would have been disposed of thus reducing the volume of waste plastics in the waste stream and the carbon emissions involved in disposal of these plastics.

THE CHALLENGE

Over 400 m² of road surface which required repairing were identified, which would later form part of the Cumbria stage of the tour of Britain. The repairs therefore needed to be completed to high standards due to the high level of focus which would be placed upon them.

THE MACREBUR SOLUTION

MacRebur's MR8 allows users the option to recycle waste plastics in to asphalt mixes delivering benefits to the environment. The MR8 allows the asphalt to become more workable, increasing its ductility and allowing for more uniform compaction. 88 tonnes of asphalt containing 264kg of plastic waste material, saving 285.13kg of CO₂ and 75,428 single use bags or 26,400 bottles.

For more information about our MR products please visit:
www.macrebur.com

This project recycled **264 kg** of plastic

That's equivalent to **75,428** single use plastic bags



THE RESULTS & BENEFITS

The existing Asphalt surface and binder course was removed to a depth of 100mm and replaced with 60mm of 20 mm Heavy Duty Binder course and 40mm of 10mm Stone Mastic Asphalt surface course both containing MacRebur's MR8 product which delivers like for like performance when compared to standard asphalts. No alteration was needed for the installation on site. The project was delivered cost neutral to the client and resulted in the reuse of waste plastics which would otherwise have required disposal.

