

MacRebur MR8 Case Study



Project: Montald Road Re-surfacing
Location: Coventry, UK
Client: Coventry City Council
Surfacing Contractor: Premier Road Surfacing
Date: 05.18

OVERVIEW

In May 2018, Coventry City Council identified MacRebur waste plastic products as potential new and innovative additives for use in residential roads. The residential Montald Road was selected for re-surfacing using MacRebur MR8 as an additive. MR8 is manufactured from 100% waste plastics destined for incineration or landfill, and is ideally suited for car parks, driveways, and local roads, where sustainability and economics are the key drivers. MR8 replaces part of the bitumen in an asphalt mix, reducing fossil fuel usage further promoting environmental sustainability - without increasing cost.

THE PROJECT

The existing asphalt was removed and replaced with a 10mm Stone Mastic Asphalt containing MacRebur MR8 at 6% of the binder weight. The use of MR8 as partial binder replacement in this project allowed the asphalt producer to optimise the volume of bitumen in the asphalt mix, and gives the client the opportunity to deliver increased environmental sustainability whilst delivering the project to the required standard.

THE OUTCOME

The re-surfacing of this residential road in Coventry resulted in 500kg of plastic waste recycled, resulting in a CO2 saving of 775kg. The observed environmental benefits, whilst not compromising on road performance or cost compared to conventional asphalt supports the use of MR8 on residential projects.

This project recycled **500kg** of plastic

Thats a Co2 saving of **775kg**

