

MacRebur MR8 Case Study



Project: Tesco Car Park Resurfacing
Location: Dumfries, UK
Client: Tesco PLC
Asphalt Supplier: Tarmac UK LTD
Surfacing Contractor: NMC Construction
Date: 05.2018

OVERVIEW

In May 2018, as part of a campaign to find new and innovative uses for waste plastics, Tesco Plc identified MacRebur's products as a potential solution for use in resurfacing. The car park of the supermarket Tesco in Dumfries was selected for resurfacing using Macrebur product MR8. The objective of this project was to re-use waste plastics, reduce carbon and promote a sustainable closed loop system. Tesco were the first major retailer to remove 5p bags from its stores, reducing the usage of single use carrier bags by half. This project aimed to highlight Tesco's further commitment to the environment.

THE PROJECT

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. The product was incorporated into the asphalt mix without the need to alter any of the existing infrastructure at the asphalt plant. 300 tonnes of asphalt were used in the resurfacing of this car park. By using our MR8 product as a part bitumen replacement, it enabled the asphalt manufacturer to optimise fossil fuel bitumen use and provided the ability to deliver the project with increased environmental benefits and at no greater cost.

THE OUTCOME

The existing asphalt was removed and replaced, and the newly modified MR8 mixture was laid allowing for a reduction in bitumen used in the asphalt mix. The project was completed within existing time scales using standard equipment and delivered a CO2 saving of 1550kg, as a result of utilising waste plastic in the asphalt mix.

“ We are working hard to reduce plastics and re-use & recycle wherever possible. Re-using waste plastics in this way is another example of how Tesco are innovating in the war against waste.”

Kene Umeasiegbu, Tesco Head of Environment.

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

