

MR6 MacRebur Project 2023

Project: FT004 Jalan Gerik – Kupang – Lunas Sek. 50.00 – 50.50
Location: Baling, Kedah , Malaysia
Client: THB Maintenance Sdn Bhd
MacRebur Partner: Setia Bintang Engineering Sdn.Bhd.
Product used: 1800 kg of MR6
Date: 25th July 2023



OVERVIEW



This project recycled 1800kg of plastic

That's a CO₂e saving of 6,786kg

THE PROJECT

In August 2023 saw Setia Bintang Engineering this time partner with THB Maintenance Sdn Bhd, for a resurfacing project on the busy Jalan Gerik – Kupang - Lunas in Kedah, Malaysia.

The existing asphalt was removed and replaced with an Asphalt containing MacRebur MR6. MR6 is manufactured from 100% waste plastics and is designed to extend and enhance the bituminous binder in an asphalt mixture. MR6 improves the road's resistance to deformation which allows the client to observe performance enhancement whilst offsetting plastic destined for landfill or incineration.

THE OUTCOME

The re-surfacing of this stretch of highway resulted in 1800 kg of polymer being recycled, resulting in a CO₂ saving of 6,786 kg. The construction process was no different to that of conventional asphalt, and the project saw huge environmental benefits in terms of polymer recycled and CO₂ saved. The road will be monitored for performance and is expected to outperform conventional asphalt roads.

