

MR6 MacRebur Project 2023

Project: FT016, Jalan Lapangan Terbang Senai, Sek. 1.00 – 2.00

Location: Kulai, Johor, Malaysia

Client: Selia Selenggara Selatan Sdn Bhd

MacRebur Partner: Setia Bintang Engineering Sdn.Bhd.

Product used: 2160kg of MR6

Date: 4th April 2023



OVERVIEW



This project recycled 2160kg of plastic

That's a CO2e saving of 8,143.20kg

THE PROJECT

In April 2023, Setia Bintang Engineering partnered with Selia Selenggara Selatan Sdn Bhd on a resurfacing project at Kulai, Johor, Malaysia.

The existing asphalt was removed and replaced with 1080 tonnes of Asphalt containing 2160kg of MacRebur MR6.

MR6 is manufactured from 100% recycled polymers 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 off setting polymer destined for landfill or incineration.

THE OUTCOME

The re-surfacing of this stretch of highway resulted in 2160kg of polymer being recycled, resulting in a CO2 saving of 8,143.20kg. 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.

