

MR6 MacRebur Project 2023

Project: FT001 Jalan Ipoh – Tanjung Malim Sek. 497.95 – 499.40
Location: Muallim, Perak, Malaysia
Client: Belati Wangsa (M) Sdn Bhd
MacRebur Partner: Setia Bintang Engineering Sdn.Bhd.
Product used: 3600kg of MR6
Date: 2nd August 2023



OVERVIEW



This project recycled 3600kg of plastic

That's a CO2e saving of 13,572 kg

THE PROJECT

In August 2023, Setia Bintang Engineering partnered with Belati Wangsa (M) Sdn Bhd on a resurfacing project in Muallim, a district in Perak, Malaysia.

The existing asphalt was removed and replaced with 1800 tonnes of Asphalt containing 3600kg 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 3600kg of polymer being recycled, resulting in a CO2 saving of 13,572kg. 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.

