

MR6 MacRebur Project 2023

Project: KM 3.20 – KM 3.40 SL RHS

Location: Kajang SILK Expressway, Selangor, Malaysia

Client: PROLINTAS Expressway Sdn Bhd

MacRebur Partner: Setia Bintang Engineering Sdn.Bhd.

Product used: 180kg of MR6

Date: 8th February 2023



OVERVIEW



This project recycled 180kg of plastic

That's a CO₂e saving of 678.60kg

THE PROJECT

In February 2023, Setia Bintang Engineering partnered with PROLINTAS Expressway Sdn Bhd on a resurfacing project in Kajang SILK Expressway, Selangor, Malaysia.

The existing asphalt was removed and replaced with 90 tonnes of Asphalt containing 180kg 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 180kg of polymer being recycled, resulting in a CO₂ saving of 678.60kg. 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.

