

# MR6 MacRebur Project 2022

Project: FT002, Lebuhraya Persekutuan Sec. 10.50-13.90  
Location: Klang, Selangor, Malaysia  
Client: Roadcare (M) Sdn Bhd  
MacRebur Partner: Setia Bintang Engineering Sdn.Bhd.  
Product used: 2850kg of MR6  
Date: 19<sup>th</sup> October 2022



## OVERVIEW



This project recycled 2850kg of plastic

That's a CO2e saving of 10,744.5kg

## THE PROJECT

October 2022 continued to be a busy month for Setia Bintang Engineering, this time partnering with Roadcare (M) Sdn Bhd. The resurfacing project took place in the Royal City of Klang, the former capital of the state of Selangor. The section of road was part of the Lebuhraya Persekutuan highway and due to busy traffic conditions this project was carried out overnight to keep disruption to a minimum. The existing asphalt was removed and replaced with 950 tonnes of Asphalt containing MacRebur MR6. MR6 is manufactured from recycled polymers and is designed to extend and enhance the bituminous binder in an asphalt mixture. MR6 is used where traditionally PMB's are specified, for instance highways, heavy duty base courses or where surface courses are subject to heavily loaded traffic.

## THE OUTCOME

The re-surfacing of this stretch of highway resulted in 2,850kg of waste polymer being recycled, resulting in a CO2 saving of 10,744.5kg. The construction process was no different to that of conventional asphalt, and the project saw huge environmental benefits in terms of plastic recycled and CO2 saved. The road will be monitored for performance and is expected to outperform conventional asphalt roads. from a carbon reduced asphalt mix and not sacrificing on quality.

