

M7 Motorway Kildare Bypass

Main Contractor: Jons Civil Engineering Limited
Year of Completion: 2024



Kilsaran resurfaced 12km of carriageway on the M7 Kildare bypass pavement scheme for Jons Civil Engineering Limited.

Completed using 15,000 tonnes of Hot Rolled Asphalt (HRA) and incorporating 15% RAP (recycled asphalt). The project used fine grade in all the HRA material apart from a 5000m area which received an incorporation of 35% RAP using the coarse grade, and a 5000m area with the standard HRA mix to act as a control.

Overall, the use of the 15% RAP in the HRA material resulted in a 6.4% reduction in Carbon (4.9kg CO₂/Tonne) when compared with the Standard HRA. The use of 35% RAP in the HRA resulted in a 12% reduction in the Carbon (9.1kgCO₂/Tonne) when compared with the Standard HRA. In all, this project achieved a 21% reduction in carbon emissions.

Kilsaran PRODUCTS

Road Surfacing:

-Hot Rolled
Asphalt (HRA)

-Reclaimed
Asphalt
Pavement (RAP)

