



Application Opportunity

Primrose Lane is a small, low volume, rural road that goes through an area of woodland. After assessing the road, it was decided that as sections went through wooded areas there was a need for a porous solution to allow the water to drain through as a no dig solution to mitigate damaging any tree roots.

The local authority approached SteelPhalt for a porous asphalt solution, originally specifying a natural aggregate asphalt. Seizing the opportunity, we were able to offer our high performing SteelSuDS material made from steel slag with a PMB Binder. Steel slag is a 100% recycled aggregate as it is a bi-product of the steel making process.

Recommended Product

SteelPhalt offered its 10mm SteelSuDS product as the porous and high fatigue resistant properties made it ideal for the rain to drain through to care for the roots of the trees. By offering this alternative product it also provided the local council an opportunity to reduce its carbon footprint.

Our Eco Range provides a highly recycled product, a low carbon footprint to help clients with achieving their carbon reduction ambitions whilst providing a durable high performing product.

Results and Benefits

55 tonnes of SteelSuDS were laid in 2024 where the material is performing as expected, no damage is occurring to the roots of the trees and a low carbon solution has been used.

Carbon Data

Product	Carbon Footprint Kg CO ² e/ tonne*	Average Surface Course Kg CO ² e/ tonne*	Carbon Benefit Kg CO ² e/ tonne	Carbon Benefit %
SteelSuDS	37.7	49.4	11.7	23.7%

*Value based on SteelPhalt EPD tool

