

**MILES  
MACADAM**

CONSTRUCTION & SURFACING

## ROBINS LANE, STOCKPORT

**MILEPAVE™**

Stockport Council has partnered with Miles Macadam to deliver a carbon-neutral resurfacing scheme as part of its commitment to sustainability. By utilising Miles Macadam's advanced low-carbon surfacing technologies, the council is significantly reducing the environmental impact of road maintenance.

This initiative aligns with Stockport Council's ambitious carbon targets and demonstrates the council's proactive approach to combating climate change. The site faced significant challenges as a heavily tree-lined road prone to damp conditions caused by dense leaf cover and falling leaves. This led to material stripping, aggregate loss, and the need for frequent maintenance. Serving residential properties, local traffic, a care home, and featuring a mini-roundabout, the road required a durable and sustainable solution. Milepave™ was selected for its fully sealed surface, which prevents water penetration and inhibits organic material accumulation, minimising slippery, decomposing leaves and improving road safety. Also, Milepave™ delivers a significant reduction in carbon emissions compared to traditional asphalt, using less stone, bitumen, and energy during production. Its seamless surface also enhances the longevity of the mini-roundabout by eliminating the need for a centre joint. The scheme was successfully procured through LCRIG's Project Amber Framework. This simplifies the procurement of road surfacing and maintenance services for local authorities by providing access to pre-approved suppliers like Miles Macadam, who offer specialist surfacing materials. It ensures compliance with regulations, and supports councils in meeting sustainability and infrastructure goals.

### **Delivered Programme of Work:**

- 1,878m<sup>2</sup> of Milepave™
- 6.38 tCO<sub>2</sub>e total emissions

### **Environmental Savings:**

- Savings of 27.2 tonnes in aggregates and 3.5 tonnes in straight run bitumen over conventional materials
- 5.40 tCO<sub>2</sub>e saving over using a conventional warm mix material and a non-carbon neutral surfacing contractor
- Increased performance and subsequent lower whole life carbon costs

The scheme is carbon neutral and certified by Carbon Footprint Ltd. To further enhance its environmental impact, Stockport Council chose to support their UK Tree Planting Initiative, which mirrors a rainforest deforestation prevention programme by planting trees locally within Stockport.