

Project case study

Padiham Greenway

Heidelberg Materials UK supports active travel route with low carbon asphalt

Product

Low carbon asphalt using CarbonLock bitumen

Volume

430 tonnes

Main Contractor

BDS Yorkshire

Client

Walk Wheel Cycle Trust



Overview

Heidelberg Materials UK supplied 430 tonnes of CarbonLock low carbon asphalt to resurface a 1.2km section of the Padiham Greenway, helping to support sustainable active travel in Lancashire. The solution reduced the scheme's carbon footprint by at least 25 per cent, saving 5.6 tonnes of CO₂ while maintaining high performance for this busy community route.

Project description

Heidelberg Materials UK has supplied 430 tonnes of low carbon asphalt to resurface a 1.2km section of the Padiham Greenway cycle route, near Burnley, Lancashire.

The Padiham Greenway route, which follows the former Burnley to Padiham railway line, supports active travel and is widely used by cyclists and pedestrians as a link between Padiham, surrounding villages and Burnley city centre.

The scheme was delivered by contractor, BDS Yorkshire, for Walk Wheel Cycle Trust, which is responsible for maintaining the route. To meet the project's sustainability objectives, Heidelberg Materials recommended

the use of its CarbonLock biogenic asphalt, as well as using locally sourced aggregate from its Coldstones quarry in Pateley Bridge.

This sustainable asphalt solution reduced the carbon footprint of the scheme by at least 25 per cent compared to a standard hot mix asphalt, saving 5.6 tonnes of CO₂ along the 1.2km section. The scheme also resulted in reduced transport-related emissions through the use of local materials.



“

We were extremely pleased with the quality of the finished product and overall aesthetics of the project.”

Matt Cragg, Senior QS and Project Manager, BDS Yorkshire

The works were scheduled to coincide with bridge repairs over the River Calder, helping to reduce overall closure times and allowing the route to be reopened as quickly as possible.

CarbonLock asphalt contains biogenic material within the binder that absorb and store CO₂ from the atmosphere during their life. This CO₂ is permanently ‘locked’ into the asphalt, even when it’s recycled at the end of its life, reducing the carbon footprint of the asphalt.

James Playford, Regional Director of Asphalt at Heidelberg Materials UK, said: “Working as a key supplier to BDS Yorkshire in the north, we delivered a lower carbon solution without compromising on the performance requirements of the asphalt needed for this busy community route.”

“The client’s collaborative approach was key, enabling with us to navigate challenges successfully and keep the project moving forward.”

Matt Cragg, Senior QS and Project Manager at BDS Yorkshire said: “We were extremely pleased with the quality of the finished product and overall aesthetics of the project.

“Communication around deliveries was clear and consistent and any problems were handled quickly and effectively. Heidelberg Materials worked closely with us to overcome challenges along the way which was key to achieving such a strong result.”



Heidelberg Materials UK
Second Floor, Arena Court
Crown Lane
Maidenhead
Berkshire SL6 BQZ

[heidelbergmaterials.co.uk](https://www.heidelbergmaterials.co.uk)