KBI

Sustainable Porous Paving Solutions

FOLLY LANE
TRANS PENNINE TRAIL



CS17/01

flexipave by KBI

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REVIVING FOLLY LANE'S BRIDLEWAY

The Folly Lane stretch of the Trans Pennine Trail in South Yorkshire was an unused bridleway whose steep inclines had eroded. Unstable ground made it unsuitable for horses and walkers. This left an important link in the wider trail underused. To address this, the TPT team, working with Yorkshire Water, appointed KBI UK to regenerate the route using its Flexipave material. The new stable, durable surface has made the path accessible to horse riders, while also improving access for pedestrians and cyclists and restoring a safe, welcoming route for all users.



BAFFLES DUG INTO GROUND



BAFFLES FILLED WITH FLEXIPAVE

BAFFLES BUILT FOR DRAINAGE

To exploit Flexipave's porosity on the steep inclines, the path was widened and baffles were dug into the ground before the material was laid. These slowed rainwater running down the slope, distributing it evenly into the ground beneath the surface and acted as a break to reduce migration of the stone sub-base, keeping the path stable. Each baffle was then filled with Flexipave, preventing clogging while allowing the water movement and bonded with the top surface to lock the path into the ground.

“The resurfacing work we’ve done is part of a longer-term strategy to raise the standard of the TPT. We’ve found that the KBI Flexipave material fits the criteria perfectly in terms of how we wanted the TPT to look and behave. Parts of the trail here in south Yorkshire had always suffered from drainage problems. Whenever we experienced heavy rainfall, parts of the trail would become virtually unusable.Standing water was an issue, and recent wet summers had caused sections of pathway to erode.

The project has been a huge success. The sections that have been re-laid look fantastic and the product has worked in exactly the way we had hoped. Standing water problems have been solved and the surface has made the sections more accessible to a wider range of users. We’ve also seen a big rise in the amount of people using the trail.It’s also pleasing to know that the new pathways are made using over 10,000 used car tyres, making this one of the greenest projects we’ve undertaken.”

Mandy Loach, Trans Pennine Trail Officer and Sarah Ford, Public Rights of Way Officer for Barnsley Councils



POROUS CONSTRUCTION
Allows rainwater to pass freely through the surface and recharge the ground beneath, rather than running off.

EROSION RESISTANCE
Controls water flow on steep inclines, preventing the surface erosion that made the original path unstable.

STABLE SUB-BASE
Works with the baffles to reduce stone migration, keeping the whole path structure secure over time.

CLOG-FREE DRAINAGE
Flexipave-filled baffles keep water moving freely, removing the risk of channels becoming blocked.

LOCKED-IN SURFACE
Vertical sections bond with the top layer, anchoring the path firmly into the ground.

MULTI-USER ACCESS
Provides a safe, durable surface suitable for horse riders, walkers and cyclists alike.



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