

CASE STUDY



The repair process was really efficient, a lot quicker when compared to previous road repair procedures that can take a couple of hours at least.

The road closure time was short and had a minimal effect on business operations.

Overall, I was very impressed.



Rolfe Street ARC Ltd



**FAST AND DURABLE ROAD REPAIR WITH
INNOVATIVE COLD-APPLIED SOLUTION**

PERMAFYX™ L273
PERMANENT ASPHALT REPAIR



MEON
DELIVERING GREAT SURFACES



PROBLEM:

On-going surface deterioration had caused a pothole in close proximity to a gully grate ironwork, which created a risk of damage to road users' vehicles. Traditional road repair methods can cause significant disruption to the local road network due to long road closure times, heavy machinery requirements, and the need for hot works. This not only leads to inconvenience for commuters but also increased costs for road maintenance authorities. The road defect required an effective repair solution that was quick and efficient, requiring no compaction or hot works and allowing the road to be re-opened in as short a time as possible.



SOLUTION:

A solution was found by utilising PermaFyx L273, a permanent asphalt repair system that requires zero compaction, hot works or heavy machinery. This permanent solution is made up of performance cold applied MMA (Methyl Methacrylate) resin, allowing for a fast and durable road repair. The deteriorating road surface pothole was cut across its edges and removed, forming a clean area for the repair material to bind to. By eliminating the need for hot works and heavy machinery, the application process was simplified, reducing the overall cost and time required for the repair. This innovative cold-applied MMA resin technology offers a superior level of durability compared to traditional hot-lay asphalt.



RESULT:

The road repair was completed and opened to traffic in just 30 minutes, allowing for minimal road closure and showcases the efficiency and effectiveness of PermaFyx L273, our cold-applied MMA asphalt repair solution. This revolutionary cold applied MMA material has greater durability in comparison to hot-lay asphalt, promising a long-lasting repair that will outlive the surrounding substrate. The innovative solution not only fixed the road defect effectively, but also minimised disruption to road users and reduced the overall repair time.



SYSTEMS USED:

**PermaFyx L273
Permanent Asphalt Repair Material**



PermaFyx L273 is a permanent asphalt repair product based on high-performance cold applied MMA (Methyl Methacrylate) resin which will outlast the surrounding substrate. This is the perfect solution for small defect repairs such as potholes and ironwork surrounds where it's not practical to call out a hot box, but a permanent repair is required.

BENEFITS:

- Highly Durable - No repeat defects
- No compaction - Greater efficiency
- No hot works - Improved safety
- Easy to work - Reduced fatigue



**Tracing Pro Line Marker
Acrylic Paint Aerosol**



High quality and exceptional resistance to clogging. It guarantees a precise spray and a high flow rate over a longer distance than its competitors and allows you to carry out your markings more quickly and at a lower cost. Brilliant brightness, contrast and durability, it is an industrial-grade marking paint.

BENEFITS:

- Resistant to clogging
- 90m coverage with 75mm line width
- Withstands severe conditions
- Compatible with PureSpray trolley



PROJECT OBJECTIVES:

SAFETY



Focused on improved road safety through performance whilst removing high risk operations in support of the industries Zero Carbon goal.

DURABILITY



For every application, we aim to be able to demonstrate ways to reduce Whole-Life costs through improved system performance.

SUSTAINABILITY



Supporting central government Decarbonisation strategy with a goal to reach net zero by 2050.