

REDUCE RISK OF VISUAL AND STRUCTURAL FAILURES WITH SUPERTRENCH ASPHALT

Supertrench is the ideal solution for reinstatement projects that demand long-term durability and compliance with SROH standards. Its superior mix design reduces permeability and extends asset lifespan.

BENEFITS:



Sustainable solution: 100% recyclable composition

Durable: The high binder content minimises visual and structural failures, increasing life span

Cost effective: Provides high levels of in-service performance, diminishing the need for early maintenance



Quality assured: Compliant with SROH standards

Optimised Workability: Engineered for efficient application, allowing for a seamless installation

WHY CHOOSE HOLCIM UK?

At Holcim UK, we deliver more than just asphalt—we provide high-performance, sustainable solutions that drive the future of infrastructure. With a commitment to quality, innovation, and environmental responsibility, we are a trusted partner for projects across the UK.

- HIGH-QUALITY, RELIABLE ASPHALT SOLUTIONS
- INNOVATION-DRIVEN PERFORMANCE
- **SUSTAINABILITY AT THE CORE**
- AWARD-WINNING INDUSTRY LEADERSHIP



SUPERTRENCH GIVES YOU A GREATER LEVEL OF TOLERANCE.

This increases its compaction rate and speed in which you can get the job done.

COMPACTION TOLERANCE:



Specification AC6 Coarse AC6 Fine Supertrench





SCAN FOR MORE INFORMATION

For more information, contact your local asphalt team or visit: **www.holcim.co.uk/Supertrench**

PROVEN TO ACHIEVE 4-5% VOIDS

Giving you a greater tolerance to meet SROH specification compared to standard 6mm dense material.

IDEAL FOR USE IN THE PERMANENT REINSTATEMENT OF

Flexible footways | Footpaths | Cycle tracks

Specifically designed to aid the achievement of insitu air voids specified by SROH.

Manufactured in 100/150 or 160/220 grade binder complying with BS EN 13108-1 Asphalt Concrete.





DRIVING INNOVATION EXCELLENCE THROUGH COLLABORATION

PROJECT SUMMARY

In 2024, we partnered with Sapphire Utility Solutions to enhance our existing SuperTrench product. Our goal? To improve compactability and minimise permeability, significantly reducing failure rates and setting new standards for durable, long-lasting road surfaces.

THE CHALLENGE

With nearly 40% of reinstatements failing due to excessive permeability, water ingress and high air voids that were accelerating material breakdown. This led to frequent resurfacing, increased costs, and major disruptions. The industry needed a longer-lasting, cost-effective solution, and we were determined to deliver it.

INNOVATING FOR A STRONGER FUTURE

Our teams embarked on an in-depth investigation into asphalt permeability, uncovering that air void connectivity and distribution played a critical role in failure rates. The objective was clear: refine material composition to achieve more compactability and a water-resistant surface while maintaining full compliance with industry regulations.

CUTTING-EDGE RESEARCH & DEVELOPMENT

Breaking new ground, we collaborated with Nottingham University, utilizing CT scanning technology—a first in asphalt analysis. This cutting-edge approach provided real-time, high-resolution imagery, allowing us to pinpoint material weaknesses and develop an optimised composition with significantly reduced permeability.

BREAKTHROUGH RESULTS

The results spoke for themselves. In the first threemonth trial, the enhanced SuperTrench material achieved zero failures. Encouraged by this success, a second three-month trial followed, with only one reinstatement failure—an astonishing improvement from the original 40% failure rate.

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Innovation is the key to long-lasting infrastructure. With reinstatement failure rates previously at 40%, our industry needed a breakthrough—and this project delivered just that. By embracing advanced research methods, we are shaping a more sustainable, circular economy, ensuring better results for everyone.

DR IGNACIO ARTAMENDI HEAD OF RESEARCH AND DEVELOPMENT AT HOLCIM UK

FOR MORE INFORMATION, CONTACT YOUR LOCAL ASPHALT COLLECTION TEAM



OR VISIT US AT: holcim.co.uk/supertrench

