

What our customers say...

“Northern Powergrid have used Perma-Soil as a ground stabilising material for over 20 years. We feel it's a cost effective solution saving us time and money returning to wood poles that may have otherwise become unstable in strong wind conditions.”

Standards Engineer
Northern Powergrid.

“Kier are always looking to reduce their carbon foot print, help the environment and save money at the same time. Perma-soil fits perfectly into this category as it reduces the amount of waste to go to landfill, this saves us money and time.”

General Foreman
Kier.

“Perma-Soil has helped us to reduce our environmental impact. We have fewer vehicles on site, we send less waste to landfill and have realised significant cost savings because of this.”

Contracts Manager
Complete Utilities.

“We use Perma-Soil for our water meter installs and have found it a quick, efficient and easy method to use and have seen considerable time and cost savings since we started using it.”

Repair and Maintenance Engineer
Integrated Water

Did you know...

The Mineral Product Association (MPA) have raised concerns over the country's shrinking aggregate reserves in their Annual Mineral Planning Survey Report 2017. The report revealed that whilst sales of sand and gravel increased by 2.5% and crushed rock by 5.3%, reserves have remained worryingly low.

Utilising Alternative Reinstatement Materials (ARMs) like Perma-Soil vastly reduces the need for virgin aggregate material and will go a long way in helping to sustain our reserves.

INSTARMAC®

**Minimising Risk.
Maximising Performance.
Delivering Confidence**

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Perma-Soil Soil Stabiliser

Alternative Reinstatement Material



The eco-friendly product that saves you time and money!

Your promises...



'Our target is to divert 95% of waste to beneficial use by 2020.'



'We will eliminate street-works waste sent to landfill by 2020.'



'Managing waste products supporting the principles of the circular economy, we work with our suppliers to minimise the materials we use, and we reuse or recycle equipment and materials wherever possible. We've achieved our UK target, to send zero qualifying waste directly to landfill by year-end. We use specialist contractors to manage hazardous waste responsibly, complying with relevant regulations.'



'Greenplan includes reductions in business carbon footprint, energy usage and the proportion of spoil sent to landfill. We have nearly eliminated excavated spoil and office waste to landfill with less than 0.5% of waste ending up in landfill.'



'With help from the Skanska Color Palette™ tool aim to eliminate waste to landfill and promote the circular economy.'



'To minimise the amount of materials we use and waste we generate by considering material use holistically.'



'Sustainable Waste Action Group - reduce the amount of waste we produce and increase re-use and recycling of waste by managing our waste proactively.'



'We aim to be the most sustainable operator in the market, no waste goes to landfill.'



'Reuse or recycle 100% of recovered assets by 2020.'



'We have company-wide goals to continue to reduce our carbon emissions and to be completely 'waste wise' by generating zero waste to landfill.'

The Old Method



The work area is saw cut and excavated down to the water connection.



Excavated spoil is taken away to land fill.



Virgin aggregate is collected from the quarry...



... and compacted into the excavation



A temporary deferred set is then applied to the surface until such time the hot lay asphalt arrives. (subject to material availability).



The temporary cold lay is excavated and taken away to the quarry.



The hot lay asphalt arrives and is applied to the surface of the reinstatement.



The material is compacted and the area is opened to traffic once the asphalt has cooled (this can take several hours depending on ambient temperature).



Perma-Soil Method



A wooden board is laid before the work area is saw cut and excavated down to the water connection.



Excavated spoil is mixed with UltraCrete Perma-Soil soil stabiliser...



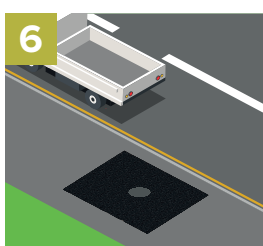
...and compacted into the excavation.



Apply UltraCrete's SCJ Seal and Tack Coat spray to the vertical edges and substrate of the reinstatement.



UltraCrete's Instant Road Repair® is applied as a first time permanent surface finish.



Once compacted, the area can be opened to traffic immediately. To prolong the life of your repair, apply UltraCrete's Instaband ECO to the edges of the reinstatement.



Save time
Save money
Save waste

Eliminate the need for expensive haulage to landfill and turn excavated spoil into usable backfill within minutes!



- Time saving: quick and easy to use in-situ
- Cost saving: no need to purchase expensive backfill material
- Increases load bearing ability of excavated soil
- Contains a red traceable agent to ensure consistent mixing
- Meets the requirements of the Utility WRAP Agreement and SMF & SMR of Appendix A9
- Environmentally friendly: huge reduction in the amount of materials that would traditionally be sent to the landfill
- A9 approved

Use in conjunction with
UltraCrete's HAPAS approved Instant Road Repair cold lay asphalt, SCJ Seal and Tack Coat spray and Instaband ECO overbanding for a complete reinstatement system that saves you time and money!

