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Paco Patch

Ironwork Reinstatement

Paco Patch - Ironwork Reinstatement

Paco patch is a polymer-modified mastic asphalt used primarily to permanently reinstate perished surfacing around manholes and other iron works.

Paco patch requires no compaction therefore no damage is caused to the chamber construction beneath the iron works. Paco patch comes with a 5 year material warranty and can be trafficked within an hour of completion. Paco patch is also environmentally friendly through the use of bricks made from recycled aggregates. Paco patch can be laid any time during the day or night as there is no need to collect materials from quarries or batching plants.

The revolutionary system comprises a hot applied asphalt grout and Pre-coated or dry chippings are applied to the finished surface to provide a non-skid surfacing complying with UK legislative specifications.

Pacopatch Reinstatement System

Pacopatch is a polymer modified mastic asphalt permanent reinstatement system primarily designed for use around manholes and other street ironworks.

The process is completed by backfilling with additional grout to produce a voidless, impermeable, monolithic and permanent reinstatement which can be completed in a variety of surface finishes.

Pacopatch requires no compacting, is applied by hand float and enables applicators to economically patch even very small, irregular areas, to a consistent, voidless standard.

Specification

Pacogrout®

A paving grade mastic asphalt, manufactured in accordance with the general requirements of BS 1447:1988 with regard to aggregate grading and binder content. Pacogrout® utilises a purpose designed polymer modified asphaltic cement manufactured under refinery controlled conditions to a BS EN ISO 9001:2008 Quality System. The coarse aggregate content is in accordance with Clause 5.3.1. of BS 1447.

Properties of asphaltic cement:

Penetration @ 25°C 15 - 25 dmm

Solubility in trichloroethylene 92% min.

Pacopatch Application Method

1. Mark out the area to be excavated.
2. All perimeter edges of area to be reinstated should be diamond saw cut to ensure a clean vertical face is provided.
3. Break out the existing material and remove the spoil from the excavation to a minimum depth of gullies 60mm and manholes 100mm.
4. All faces of the excavation should be coated with an approved jointing compound.
5. Operative (1) should carefully transfer the molten Pacogrout® from the mixer/cauldron into an asphalt bucket and pour into the excavation to an average depth of approximately 20-25mm (see item 11).
6. If the surface is to receive pre-coated chippings, a head space of 1-2mm should be left to allow for displacement of the Pacogrout® on application of the chippings. The chippings should be pressed into the Pacogrout® with a wooden float whilst the material is still in a plastic state.
7. Allow the reinstatement to cool to ambient temperature before opening to traffic.
8. Pacogrout® should not be heated to a temperature exceeding 180oC and particular care should be taken to avoid any localised overheating during the melting process.



Pacopatch – Features & Benefits

Features

- 1 – Quieter
- 2 – Zero voids
- 3 – Less coring/checking
- 4 – Monolithic repairs
- 5 – Fully recyclable
- 6 – Polymer modified
- 7 – No compaction required
- 8 – 1st time repair always
- 9 – Surface dressing choices
- 10 – Simpler system
- 11 – Indefinite shelf life
- 12 – Impermeable
- 13 – Reduced excavations possible
- 14 – Less waste generated
- 15 – Reduced handling of material
- 16 – 5 year warranty
- 17 – Palletised system
- 18 – 24hr/365 days a year
- 19 – Solar film wrapped
- 20 – Faster repairs possible
- 21 – White lining at the same time
- 22 – Zero wastage
- 23 – No joints
- 24 – Choice of surface dressing

Benefits

- 1 – Reducing noise element to the public
- 2 – No inherent secondary compaction
- 3 – Reduced admin costs for all parties
- 4 – Premium repair not possible with HRA
- 5 – No waster short term/long term
- 6 – High/Low Temp stability – more durable
- 7 – No roller required/immediate fill & no disturbance
- 8 – No 2nd visits – more sites can be completed
- 9 – Adaptable to blending in with existing surroundings
- 10 – Consistent premium repair 1st time
- 11 – Can be stored indefinitely ready for use
- 12 – Zero water penetration/frost damage
- 13 – Reduction of material usage & waste costs
- 14 – Reduced disposal/more time on site
- 15 – Reduced back strain/more vehicle space
- 16 – Capable of lasting life on the road
- 17 – Minimal space needed
- 18 – Fully independent/reduced out of hour costs
- 19 – Inhibits deformation and can be re-used
- 20 – Less occupation costs
- 21 – No 2nd visit required
- 22 – Every is used and accurately costed
- 23 – Seamless appearance and crack resistance
- 24 – Skid resistance to suit or chipping blend to suit

Pictures of some completed Paco Patch ironworks

