

The Pro-Phalt Infrared Road Repair System



Leasing

The new generation of road repair is here

To address South Africa's increasing road defects & problems, a faster, cleaner, more cost-effective solution is needed. Pro-Phalt has developed the next generation in technology, the Infrared Road Repair System. Instead of costly traditional methods which can create dust, landfill and pollution, the Pro-Phalt Infrared Road Repair System recycles the existing surface and requires a minimum



amount of new material to create a seamless and longer-lasting repair. Dust and waste is eliminated, and CO2 emissions are a fraction of the traditional method.

One van, two operators, more repairs in a day

By leasing the Pro-Phalt Infrared Road Repair System, you can complete more repairs in a day than using traditional methods. The average repair time is just 20 minutes. In addition, there is no waste to dispose of and everything you need is contained in a single vehicle.

The cost per repair can be up to 40% cheaper than traditional methods, and the entire system requires just two operators from start to finish.

The Pro-Phalt Infrared Road Repair System is effective for potholes, trench surface repairs, and reinstatement of failed joints and seams (particularly around ironware and street furniture).

We provide

The vehicle
The infrared repair system
The materials
Basic traffic management equipment
Comprehensive operator training
Technical support
Servicing of the system
Servicing of the vehicle

You provide

The operatives
The fuel

Your operators, your brand

When you lease the Pro-Phalt Infrared Road Repair System we will train you or your nominated staff to our Accreditation standard. Training is carried out at the site of your choice over a two-week period.

This allows you to gain the benefit of increased productivity during the training of your operatives at no additional cost for a standard lease. Upon successful completion of the programme each operative is assessed and awarded a certificate of competency.

You can also add your own branding to the vehicles.

Ideal for

- ✓ Projects of a longer duration
- ✓ Sub-contracting opportunities
- ✓ Upgrading your existing operation

For repair projects of a shorter duration, you should consider Pro-Phalt Contracting, the Pro-Phalt-operated option for roads, highways, car parks and footpath repairs.

Call Pro-Phalt today on **0027 (31) 9032021** for a free, no-obligation quote, or email info@prophalt.com for more information.

www.prophalt.com

Pro-Phalt versus traditional methods

The Pro-Phalt Infrared Road Repair System offers considerable time, cost and CO₂ savings compared to traditional methods:

Traditional method²

- 1 Travel to repair location
- 2 Identify repair
- 3 Carry out risk assessment and complete Health and Safety paperwork
- 4 Set out cones and temporary traffic signs; the area closed off will be greater than the Pro-Phalt system requires as there is more plant, labour and vehicles involved in the traditional repair approach
- 5 Check over the repair area with a Cable Avoidance Tool scan to ensure no buried services are disrupted
- 6 Unload plant and equipment from lorries
- 7 Saw cut existing tarmac to create a clean cut/joint around the repair area
- 8 Break out the existing tarmac material to the repair area
- 9 Excavate the existing tarmac material and load onto tipper lorry for disposal off site
- 10 Take delivery of new material
- 11 Paint vertical faces of tar joints
- 12 Lay and rake new hot rolled asphalt
- 13 Roll and compact repair area
- 14 Reload plant and equipment from lorries
- 15 Uplift traffic management from the repair area
- 16 Travel to landfill site to dispose of redundant excavated material.

The Pro-Phalt System

- 1 Travel to repair location
- 2 Identify repair
- 3 Carry out risk assessment and complete Health and safety paperwork
- 4 Set out cones and temporary traffic signs
- 5 Unload heater and roller from the van
- 6 Set the heater to operate a single heat cycle
- 7 Remove the heater and re-work the existing surface material
- 8 Add new material to fill the hole
- 9 Roll and compact repair area
- 10 Load heater and roller back into the van
- 11 Uplift traffic management from the repair area.

²Illustration of average traditional road repair method. Methodology varies by supplier.

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