Nu-Phalt Case Study
Dorset Council

Dorset is a South-West county on the English Channel coast, some 2,653 square kilometres large. Although much of Dorset is rural, the county is a popular holiday destination, which takes its toll on roads and car parks.

Dorset County Council required a cost-saving solution for its road repair needs that would not compromise on quality or longevity.

Nu-Phalt was initially asked to demonstrate its award-winning thermal repair system to Dorset Works Organisation, the DLO responsible for the county.

Within 24 hours of this demo, a five-week trial was agreed during which Dorset's own operators were trained by Nu-Phalt to use the system.

Due to the success of the trial it was decided to carry out a more comprehensive and robust trial for six months. During this time a series of patches were repaired in extremely adverse conditions, with a wind chill factor close to freezing. All of the patches successfully survived the very wet and cold winter (early 2010), proving the viability of using a seamless repair system. During the trial period, an average productivity of 20 square metres a day was obtained.

Having successfully proven the Nu-Phalt systems capabilities over a 6 month trial period Dorset were happy to extend for an additional 18 months, committing to a long-term partnership with Nu-Phalt.

Dorset Council reported on the advantages of the system:

Advantages

- Cheaper repairs
- No waste products to go to landfill
- Minimum amount of new material required for repairs
- Seamless repair reducing the risk of joint failure
- Quick repair time minimising traffic disruption
- Smaller carbon footprint
- More Environmentally Friendly (Less noise, dust etc)
- Good results adjacent to ironwork

The customer

"We have been delighted with the results; we have shown a saving of at least £5/m2 over traditional methods, this can increase depending on the quantities/proximity of defects.

The quality of finish is without doubt the best we have trialled and we have looked at every infrared process on the market. The self-contained arrangement within the van has reduced Traffic Management disruption and of course resulted in a reduction in vehicle and plant resource.

With reduced noise and increased quality of repairs we can safely use the Nu-Phalt machine at night in urban areas with reduced disruption to all.

The Nu-Phalt process has proved to be a good way forward for carrying out pothole repairs and is cost effective giving a seamless repair that minimises the risk of repeat visits due to failures."

Andrew Martin
Head of Dorset Works Organisation

Call Nu-Phalt today on 08442 571570 (UK South) or 01383 411210 (UK North) for a free, no-obligation quote, or email enquiries@nuphalt.com for more information.
www.nuphalt.com

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Moving forward

Dorset Works Organisation has recently taken over the Highway Agencies in Weymouth and Christchurch and is interested in expanding the Nu-Phalt service into those areas to meet potential demand. Impressed with not just the thermal repair system, but the customer service provided by the Nu-Phalt team, Dorset Council is confident that Nu-Phalt is the solution for its road repair needs.

This has resulted in a second Nu-Phalt system being ordered and includes their most recent conversion running the heater and hot boxes on tanked LPG (liquefied petroleum gas) - an energy source that drives further efficiencies by reducing gas costs by around 50%.

The benefits of LPG

LPG conversions enhance ease of use, cost savings and health & safety credentials:

- Remove the need for operatives to carry heavy bottles in and out of the van

- Reduce overall weight by 200 to 250kg

- Offer more available space for storage/additional material

- Offer significant fuel savings against original bottled gas version (approx. £50 / week)

Dorset Council was so impressed with the second converted system and resultant benefits that it also had its original bottled gas system converted to LPG.

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