

Case study 138

Heating system assists bridge repair

In the ever-changing world of the construction industry, more and more leading contractors are adopting the technique of concrete spraying as a means of stabilising or reinforcing a structure or building. This procedure offers a number of attractive benefits over more conventional methods and is now being regularly used by companies operating within this sector. Shotcreting not only guarantees greatly reduced set times and huge financial savings, but the practice is also well-suited to tight or restricted areas.

So when a large bridge in Gloucestershire underwent major repair works, a suitable heating system was required to help accelerate the drying of concrete. One of our local experts visited the site to carry out an assessment and proposed a suitable hire solution off the back of his findings.

Two FH111 indirect-fired heaters were subsequently recommended to the customer, along with split ducting and fuel tanks. This arrangement would ensure warm air was evenly distributed beneath the bridge, thus allowing vital conservation to proceed at the desired speed. These high capacity units were chosen because of their aptitude for delivering huge volumes of heat – an essential condition for this particular assignment.

The urgent nature of this job meant that a fast response was essential, and Andrews Heat for Hire had the equipment installed shortly after a site survey was conducted. Our client was therefore extremely pleased with our swift service which led to a complex repair scheme being completed safely and on time.



Nominal heating duty 110 kW
Air flow (max) 8,000 m³/h
Typical heated area 2,440 m³
Power supply 230/110 V 1ph 50 Hz
Plug type BS4343 230 V 16 A BS4343
110 V 32 A
Noise level (max) 79 dBA @ 1 metre
Weight 380 kg
Dimensions (mm) 2,230 x 780 x 1,340
Duct length (max) 40 metres
Fuel consumption 10.9 l/h



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