

# Case study 140

## Heater hire helps wooden flooring set

Laminate floors are likely to expand or warp if internal conditions are not closely controlled. Exposure to high temperatures and high humidity levels, can cause planks to expand outwards, increasing the risk of them buckling. A large development in South East London, included the construction of a student apartment complex near completion, but before a flooring arrangement could be laid, temporary heating was required on site.

One of the UK's leading construction contractors tasked us with providing a suitable solution for the project which would enable a wooden overlay to set without cracking. The ideal temperature for installations of this nature is 18°C and this must be maintained before, during and up to three days after to ensure flooring dries properly.

A site survey allowed our expert technician to discuss objectives with the client as well as analyse any logistical factors that might influence the heating system we proposed. It was then agreed that the hire of eight DE95 portable electric heaters would be the best course of action due to their compatibility with a 3 phase power supply and scope for flexible deployment. The customer used four heaters on each floor which meant that they could work on two floors at a time – enabling the job to proceed in accordance with tight deadlines.

In total, the heater hire lasted for nearly four months and proved perfect for a site where the use of oil fired equipment was not possible. The client was extremely pleased with the effectiveness of our products and opted to reuse our services following a successful air conditioning hire earlier in the summer.



Heating duty (max) 20kW 68,240 btu  
Air flow (max) 1,500m<sup>3</sup>/h  
Typical heated area 484m<sup>3</sup>  
Power supply 415V 3ph + E 50HZ  
Generator size 25kVA  
Plug type BS4343 32A 3ph 4pin  
Noise level (max) 61 dBA @ 1 metre  
Weight 32kg  
Dimensions (mm) 470 x 410 x 580  
Control Manual (auto stat/contactors available)  
Average power consumption 20kW/h



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