

Case study 145

Andrews dry student hall flooring

In the construction industry, it is vitally important that suitable conditions are implemented to ensure screed is dried properly. The delicate nature of this process means that drying periods will often extend to several weeks in order to adequately control the evaporation of moisture prior to final loads being applied. A new student accommodation project in Greenwich was nearing completion during winter, but before flooring could be laid throughout the complex, the building contractor in charge required our assistance.

At this stage of the development, Andrews Heat for Hire were contacted and asked to provide a solution that would raise temperatures throughout the site. The job was to take place over three separate blocks and meant that a heater hire package had to be tailored to accommodate the entire area. We initially proposed that a high performance FH 111 indirect fired unit be deployed outside block A, which was made up of three floors. Flexible ducting was attached to the ceiling of the ground level and ran through a large smoke vent.

The other two blocks were slightly larger in size which meant a different approach was required to sufficiently heat them. An FH 185 oil heater was used on the four-floor building while an FH 4000 was recommended for the biggest – a five storey structure.

Once our customer was happy with the advised course of action, engineers were sent to the location to complete installation. This included connecting ducting on to the ceiling via existing fixations and enabled the equipment to be fully functional within an hour of our arrival. The heaters we supplied worked perfectly and created the stable environment necessary for screed compositions to dry correctly.



Nominal heating duty 383 kW
Air flow (max) 24,000 m³/h
Typical heated area 8,457 m³
Power supply 415 V 3ph 50 Hz
Plug type BS4343 4 pin V 32A
Noise level (max) 76.5 dBA @ 1m
Weight 1,300kg
Dimensions (mm) 3,850 x 1,200 x 2,015
Duct length (max) 40 metres
Fuel consumption 38 l/h



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